

Claire Parker

Assistant Research Scientist, Engineering Education Coordinator
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Education

- 2025 (projected) M.S., Educational Psychology University of Nevada, Las Vegas, Las Vegas, NV
- 2022 Graduate Certificate, Program Evaluation and Assessment, University of Nevada, Las Vegas, Las Vegas, NV
- 2006 B.A., Biology, Cum Laude, Wake Forest University, Winston-Salem, NV

Professional and Academic Experience

- 2024 - Present Assistant Research Scientist, Engineering Education Coordinator, Nevada Robotics, Desert Research Institute, Reno, NV
- 2023 - 2024 Staff Research Scientist, Engineering Education Coordinator, Nevada Robotics, Desert Research Institute, Reno, NV
- 2021 - 2022 Technologist, STEM Coordinator, Nevada Robotics, Desert Research Institute
- 2018 - 2021 Administrative Faculty, K-12 Engineering Education Outreach Coordinator, University of Nevada, Reno, Reno, NV
- 2012 - 2015 Outdoor Educator Instructor and Sales Lead, REI Co-Op, Houston, TX and Reno, NV
- 2011 - 2012 Lab Assistant, Biomedical Engineering, Georgia Institute of Technology, Atlanta, GA
- 2008 - 2012 Middle School Faculty, Pace Academy, Atlanta, GA
- 2006 - 2008 Director, Outpost Program, Dahlonga, GA
- 2006 - 2007 Teacher (3rd Grade), Woodward Academy, College Park, GA

Awards and Recognition

- 2024 Silver State Brigade Cadet Colonel Club Induction
- 2023 Governor's Office of Science, Innovation, and Technology, Model STEM Program for DRI Nevada Robotics
- 2023 Certificate of Special Congressional Recognition for Nevada Robotics, Senator Jacky Rosen
- 2020 Letter of Recognition for Community Service, Senator Catherine Cortez-Masto

Professional Membership and Affiliations

Computer Science Teacher Advisory Board, *selected position from the Nevada Department of Education*

Portrait of a Learner Partner, *selected position from the Nevada Department of Education*

Nevada Robotics Coalition, *Founding Member*

The National Center for Women & Information Technology, *Nevada Advisory Board Member*

American Educational Research Association, *Member*

National Head Start Association, *Member*

Beta Beta Beta, National Biological Honor Society, *Member*

Phi Kappa Phi, Multidisciplinary Academic Honor Society, *Member*

Service to the STEM Education and Academic Community

- 2024 - Present Nevada Space Grant Proposal Reviewer
- 2024 - Present Douglas County School District Portrait of a Learner Facilitator
- 2023 - Present Aerial Drone Competition Judge and Program Support
- 2023 - Present Nevada Department of Education Portrait of Learner Partner
- 2023 - 2024 Project ROSE Advisor
- 2022 - 2024 Skills USA Judge

2023 - 2024 NCWIT Judge
2022 - 2023 Congressional App Challenge Judge
2022 - 2023 Key Volunteer, VEX Robotics World Championship
2019 - 2020 Biomedical Engineering Thesis Project Committee Member

Certifications

2024 VEX Aerial Drone Competition Head Referee Certification
2021 VEX 123 Trainer Certification
2020 VEX GO Robotics Trainer Certification
2019 THOR Certification
2015 Military and Veterans Advocate Volunteer Certification

Teaching and Advisement

Professional Development Led

Parker, C.L. (2024, May 20). Douglas County School District METRICS - Part IV: Fun with frogs. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Minden Elementary School, Minden, NV.

Parker, C.L., Strawder-Bubala, J.L., (2024, May 1) STEM Force: Engineering, Robotics and Drones in Your Future. [Workshop]. Desert Research Institute. Las Vegas, NV.

Long, A.J., Gallivan-Wallace, M., **Parker, C.L.** (2024, Apr. 9). Washoe County School District METRICS - Part VI: Looking to the Future with Classroom Robotics. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Lemelson STEM Academy, Reno, NV.

Long, A.J., **Parker, C.L.**, Strawder-Bubala, J.L., Ward, M. (2024, Mar. 21). Books and Bots Training for Rural Southern Nevada PreK-5 Educators. [Workshop]. Mesquite STEM Center, Mesquite, NV.

Strawder-Bubala, J.L., Long, A.J., **Parker, C.L.**, Ward, M. (2024, Mar. 20). Books and Bots Training for PreK-5 Educators. [Workshop]. McCaw STEM Academy, Las Vegas, NV.

Parker, C.L., Gallivan-Wallace, M. (2024, Mar. 12). Washoe County School District METRICS - Part V: Bridge Inspection and Plotting Points with VEX GO. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Lemelson STEM Academy, Reno, NV.

Parker, C.L., Gallivan-Wallace, M. (2024, Feb. 22). *Washoe County School District METRICS - Part IV: Fun with frogs.* [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Lemelson STEM Academy, Reno, NV

Parker, C.L. (2024, Feb. 1). *Washoe County School District METRICS - Part III: Vroom robots.* [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Lemelson STEM Academy, Reno, NV

Long, A.J., **Parker, C.L.**, Kufeld, A.R., Pemelton, S. (2024, Jan. 26). *Books and Bots training for informal settings and rural classrooms.* [Workshop]. Winnemucca Boys and Girls Club, Winnemucca, NV

Parker, C.L., Long, A.J., Kufeld, A.R., Pemelton, S. (2024, Jan. 25). *Books and Bots training for informal Winnemucca educators*. [Workshop]. Grass Valley Elementary School, Winnemucca, NV

Parker, C.L., Long, A.J. (2024, Jan. 16). *Washoe County School District METRICS - Part II: Sequencing begins with I23*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Lemelson STEM Academy, Reno, NV

Parker, C.L., Satmary, S. (2024, Jan. 8). *Douglas County School District METRICS - Part III: Sensing the path forward*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Minden Elementary School, Minden, NV

Parker, C.L., Strawder-Bubala, J. L., (2023, Nov. 18). *Aerial Drone Competition: An introduction for JROTC instructors and students*. [Workshop]. Reed High School, Reno, NV

Parker, C.L. (2023, Nov. 16). *Washoe County School District METRICS - Part I: An introduction to VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Lemelson STEM Academy, Reno, NV

Parker, C.L., Satmary, S. (2023, Nov. 6). *Douglas County School District METRICS - Part II: Building with VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Minden Elementary School, Minden, NV

Parker, C.L., Strawder-Bubala, J. L. (2023, Oct. 17). *Aerial drone competition training for JROTC instructors*. [Workshop]. Galena High School, Reno, NV

Parker, C.L. (2023, Sept. 18). *Douglas County School District METRICS - Part I: An introduction to VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, C.C. Meneley Elementary School, NV

Long, A.J., **Parker, C.L.,** Strawder-Bubala, J. L. (2023, Aug. 8). *Introduction to METRICS* [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Lemelson STEM Academy, Reno, NV

Long, A.J., **Parker, C.L.,** Strawder-Bubala, J. L. (2023, May 15). *Introduction to METRICS* [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2023-2024, Minden Elementary School, Minden, NV

Parker, C.L. (2023, Apr. 19). *The year in review and a look to the future*. [Training session]. Carson City Computer Science Teacher Professional Development Series, Carson City, NV

Long, A.J., **Parker, C.L.** (2023, Apr. 18). *Pleasant Valley METRICS - Part III: Math with VEX I23*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV

Long, A.J., **Parker, C.L.** (2023, Apr. 12). *Mamie Towles METRICS - Part III: Math with VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Mamie Towles Elementary School, Reno, NV

Parker, C.L., Long A.J. (2023, Apr. 11). *Pleasant Valley METRICS - Part II: ELA with VEX 123*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV

Long, A.J., **Parker, C.L.** (2023, Apr. 10). *Pleasant Valley METRICS - Part IV: Frog fun with VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV

Parker, C.L., Long, A.J. (2023, Apr. 5). *Mamie Towles METRICS - Part II: Building with VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Mamie Towles Elementary School, Reno, NV

Long, A.J., **Parker, C.L.** (2023, April 4). *Pleasant Valley METRICS - Part I: An introduction to VEX 123*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV

Parker, C.L., Long, A.J. (2023, March 16). *Mamie Towles METRICS - Part III: Math with VEX 123*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Mamie Towles Elementary School, Reno, NV

Parker, C.L., Long, A.J.(2023, March 15). *Mamie Towles METRICS - Part I: An introduction to VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Mamie Towles Elementary School, Reno, NV

Parker, C.L., Long A.J. (2023, Mar. 13). *Pleasant Valley METRICS - Part III: Coding with VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV

Long, A.J., **Parker, C.L.** (2023, Mar. 8). *Mamie Towles METRICS - Part II: ELA with VEX 123*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Mamie Towles Elementary School, Reno, NV

Parker, C.L. (2023, Mar. 7). *VEX GO - Part VI: Developing teachable moments with robotics*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual

Kufeld, R., **Parker, C.L.** (2023, Mar. 7). *VEX 123 - Part VI: Continuing the robotics momentum*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual

Parker, C.L., Long A.J. (2023, Mar. 6). *Pleasant Valley METRICS - Part II: Geometry with VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV

Parker, C.L., Long, A.J. (2023, Mar. 2). *Mamie Towles METRICS - Part I: An introduction to VEX 123*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Mamie Towles Elementary School, Reno, NV

- Long, A.J., **Parker, C.L.** (2023, Feb. 13). *Pleasant Valley METRICS - Part I: An introduction to VEX GO*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV
- Kufeld, R., **Parker, C.L.** (2023, Feb. 7). *VEX 123 - Part V: Using coder cards to tell a story*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual
- Parker, C.L.** (2023, Feb. 7). *VEX GO - Part V: Visualizing conditionals with bumper switches*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual
- Long, A.J., **Parker, C.L.** (2023, Jan. 25). *VEX GO applications and extension activities*. [Training session]. Carson City Computer Science Teacher Professional Development Series, Carson City, NV
- Long, A.J., **Parker, C.L.** (2023, Jan. 8). *Introduction to METRICS*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Mamie Towles Elementary School, Reno, NV
- Long, A.J., **Parker, C.L.** (2023, Jan. 11). *An introduction to VEX GO as an engineering and computer science tool*. [Training session]. Carson City Computer Science Teacher Professional Development Series, Carson City, NV
- Parker, C.L.** (2023, Jan. 10). *VEX GO - Part IV: Loops and conditionals*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual
- Parker, C.L.**, Long, A.J., Kufeld R. (2023, Jan. 10). *VEX 123 - Part IV: Math integration*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual
- Long, A.J., **Parker, C.L.** (2023, January 9). *Introduction to METRICS*. [Training session]. Mentoring Educators Teaching Robotics and Innovation in Computer Science - Academic Year 2022-2023, Pleasant Valley Elementary School, Reno, NV
- Kufeld R., Long, A.J., **Parker, C.L.** (2022, Dec. 6). *VEX 123 - Part III: Storytelling with robots*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual
- Long, A.J., **Parker, C.L.** (2022, Dec. 6). *VEX GO - Part III: Basic coding blocks*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual
- Parker, C.L.**, Kufeld R., Long, A.J. (2022, Nov. 1). *VEX 123 - Part II: From touch coding to block coding*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual
- Parker, C.L.**, Long, A.J. (2022, Nov. 1). *VEX GO - Part II: Building activities and engineering challenges*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual

Long, A.J., **Parker, C.L.**, Kufeld, R. (2022, Oct. 19). *VEX I23 - Part I: An introduction*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual

Parker, C.L., Long, A.J. (2022, Oct. 19). *VEX GO - Part I: An introduction*. [Training session]. Northeastern Nevada Computer Science Ambassador Professional Development Series. Virtual

Parker, C.L., Long A.J. (2022, Oct. 12). *Advanced Finch robotics and unplugged coding*. [Training session]. Carson City Computer Science Teacher Professional Development Series, Carson City, NV

Long A.J., **Parker, C.L.** (2022, Sept. 28). *An introduction to Finch robots and unplugged computer science*. [Training session]. Carson City Computer Science Teacher Professional Development Series, Carson City, NV

Long A.J., **Parker, C.L.** (2022, Sept. 15). *VEX I23 Robotics Teacher Training for Elko County School District Media Science Specialists*. [Workshop]. Great Basin College, Elko, NV

Parker, C.L., Long A.J., (2022, Apr. 21). *An overview of VEX GO in the classroom: Carson City Computer Science Teacher Training*. [Workshop]. Carson City, NV

Parker, C.L., Long A.J. (2022, Apr. 12). *VEX GO Robotics Educator Training for Northern Nevada Educators*. [Training for northern Nevada educators on the VEX GO robot]. K-12 Robotics Center, Reno, NV

Long A.J., **Parker, C.L.** (2022, Feb. 28). *VEX GO Robotics, Educator Training for Northern Nevada Educators*. [Workshop]. K-12 Robotics Center, Reno, NV

Long A.J., **Parker, C.L.** (2021, Dec. 9). *Hands-on Robotics Training for Tesla HR Employees*. [Workshop]. K-12 Robotics Center, Reno, NV

Invited Speaker for Higher Education

Parker, C.L., Strawder-Bubala, J. L. (2024, Feb. 13). *Books and Bots for pre-service teachers - Part I*. [Guest Lecturer]. Truckee Meadows Community College, Reno, NV.

Long A.J., **Parker, C.L.**, Strawder-Bubala, J. L. (2023, Apr. 24). *Classroom robotics for future teachers - Part I*. [Guest Lecturer]. University of Nevada, Reno, Reno, NV.

Parker, C.L., Long, A.J. (2023, Feb. 21). *Classroom robots and drones training for pre-service teachers - Part II*. [Guest Lecturer]. Truckee Meadows Community College, Reno, NV.

Long, A.J., **Parker, C.L.** (2023, Feb. 14). *Classroom robots and drones training for pre-service teachers - Part I*. [Guest Lecturer]. Truckee Meadows Community College, Reno, NV.

Parker, C.L. (2022, Nov. 22). *Integrating classroom robotics in special education*. [Guest Lecturer]. Truckee Meadows Community College, Reno, NV.

Parker, C.L., Long A.J. (2022, Sept. 28). *Hands-on robotics training - Part II: VEX 123 & GO*. [Guest Lecturer]. University of Nevada, Reno, Reno, NV.

Long A.J., **Parker, C.L.** (2022, Sept. 26). *Hands-on robotics training - Part I: Ozobots & VEX 123*. [Guest Lecturer]. University of Nevada, Reno, Reno, NV.

Parker, C.L., Long A.J. (2022, Mar. 18). *An introduction to VEX GO for Great Basin College pre-service teachers*. [Guest Lecturer]. Great Basin College, Virtual.

Long A.J., **Parker, C.L.** (2022, Feb. 16). *Section 2: Hands-on robotics for UNR College of Education Students*. [Guest Lecturer]. K-12 Robotics Center, Reno, NV.

Parker, C.L., Long A.J. (2022, Feb. 15) *Hands-on robotics for pre-service teachers from TMCC*. [Guest Lecturer] Truckee Meadows Community College, Reno, NV.

Long A.J., **Parker, C.L.** (2022, Feb. 14). *Section 1: Hands-on robotics for UNR College of Education Students*. [Guest Lecturer]. K-12 Robotics Center, Reno, NV.

Long A.J., **Parker, C.L.** (2021, Dec. 2). *Hands-on Engineering for WNC Future Rural Educators*. [Guest Lecturer]. Western Nevada College. Carson City, NV.

Proposals

Funded Projects

Title: K-12 STEM skills development for preparing tomorrow's workforce for critical material and other industry needs in Nevada

Sponsor: U.S. Department of Education, Office of Elementary and Secondary Education

Principal Investigator: Dr. Naresh Kumar

Co-PI: AJ Long, Leah Madison, Emily McDonald-Williams, **Claire Parker**, Philippe Vidon

Funding: \$2,800,000

Duration: 09/01/24 - 8/30/26

Title: Innovation in Integrated Literacy: Robotics and English Language Arts Training for Educators

Sponsor: Nevada Department of Education, Early Childhood Innovation Literacy Program

Principal Investigator: **Claire Parker**

Co-PI: AJ Long

Funding: \$2,694,634.64

Duration: 07/1/24 - 06/30/25

Title: Nevada Robotics Books and Bots Teacher Trainings for Redfield Community Outreach Program

Sponsor: Nell J. Redfield Foundation

Principal Investigator: AJ Long

Co-PI: **Claire Parker**

Funding: \$75,000

Duration: 07/01/24 - 06/30/27

Title: PreK - 5 STEM Robotics for Pleasant Valley Elementary School

Sponsor: OSIT Sub Award

Principal Investigator: **Claire Parker**

Co-PI: AJ Long
Funding: \$5,000
Duration: 5/1/2024 - 6/30/25

Title: Nevada Robotics Program Support
Sponsor: Click Bond Community Outreach Team
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$1,048.75
Duration: 04/01/24 - 03/31/25

Title: CY Energy Conservation: Books and Bots for Energy Saving Tips
Sponsor: NV Energy
Principal Investigator: Shawna Witt
Co-PI: AJ Long, **Claire Parker**
Funding: \$30,000
Duration: 01/01/24 - 12/31/24

Title: Robotics and English Language Arts Training for Educators
Sponsor: Nevada Department of Education, Early Childhood Innovation Literacy Program
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$620,424
Duration: 12/01/23 - 06/30/24

Title: Mentoring Educators Teaching Robotics & Innovation in Computer Science (METRICS) Minden & C.C. Meneley
Sponsor: Governor's Office of Science, Innovation, and Technology, Northwestern STEM Network Grant
Principal Investigator: **Claire Parker**
Co-PI: AJ Long
Funding: \$21,450
Duration: 09/01/23 - 06/30/24

Title: Books and Bots for Elko, Nevada
Sponsor: Governor's Office of Science, Innovation, and Technology, Northwestern STEM Network Grant
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$10,242
Duration: 09/01/23 - 06/30/24

Title: Mentoring Educators Teaching Robotics and Innovation in Computer Science (METRICS) for Washoe County Title I Schools
Sponsor: Economic Development of Western Nevada (EDAWN)
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$45,000
Duration: 08/02/23 - 12/29/24

Title: Linking NASA Engineering and Education to Advance Understanding

Sponsor: Nevada NASA Space Grant Consortium
Principal Investigator: **Claire Parker**
Co-PI: AJ Long
Funding: \$24,999
Duration: 08/01/23 - 04/09/24

Title: Infrastructure for SPACE: Nevada's Youth Engineering the Future of NASA
Sponsor: Nevada NASA Space Grant Consortium
Principal Investigator: **Claire Parker**
Co-PI: AJ Long
Funding: \$25,341 + \$10,226 additional state matching funds
Duration: 08/01/23 - 04/09/24

Title: Ozobot Robots for Teacher Training
Sponsor: Robert Z. Hawkins Foundation
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$23,920
Duration: 07/24/23 - 12/30/24

Title: Rural and Statewide Nevada Robotics Support
Sponsor: Nevada Gold Mines
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$200,000
Duration: 07/01/23 - 06/30/24

Title: Mentoring Educators Teaching Robotics and Innovation in Computer Science (METRICS) Pilot Program for Washoe County Schools
Sponsor: Washoe K-12 Education Foundation
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$24,000
Duration: 04/03/23 - 04/01/24

Title: Robotics Outreach Coach Support (College Student Workers)
Sponsor: Nature's Bakery
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$15,000
Duration: 12/01/22 - 06/30/24

Title: Reaching Nevada's Rural and Tribal Schools and Communities Providing Robotics and Engineering Education Tomorrow's Future Workforce is in Today's Classroom
Sponsor: DRI Innovative Research Program
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$45,000
Duration: 09/01/22 - 08/31/23

Title: Inspiring the Next Generation of NASA Explorers through Aerial Drone Competition
Sponsor: Nevada NASA Space Grant Consortium
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$24,998
Duration: 09/01/22 - 12/31/23

Title: Robot Ready: Engaging Northern Nevada Pre-Service Teachers with NASA Robotics
Sponsor: Nevada NASA Space Grant Consortium
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$24,663
Duration: 08/01/22 - 05/31/23

Title: Robotics Teacher Training for Northern Nevada Schools
Sponsor: Economic Development of Western Nevada (EDAWN)
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$8,000
Duration: 06/06/22 - 06/06/23

Title: Ozobot Robots for Teacher Training
Sponsor: Robert Z. Hawkins Foundation
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$22,000
Duration: 03/18/22 - 03/18/23

Title: Robotics Academy of Nevada in Elko & Rural Robotics Coordinator
Sponsor: Nevada Gold Mines
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$150,000
Duration: 02/22/22 - 09/30/23

Title: Robotics Team Support for Northern Nevada Schools
Sponsor: Economic Development of Western Nevada (EDAWN)
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$5,000
Duration: 02/01/22 - 02/01/23

Title: Tesla Teacher Externship
Sponsor: REC Foundation
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$52,301
Duration: 06/01/21 - 12/29/23

Title: STEM To Go Kits
Sponsor: DRI Institute Project Assignment
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$30,000
Duration: 09/01/20 - 08/31/24

Title: Nevada Robotics Program Support
Sponsor: Tesla K-12 STEM Education Investment
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$2,587,703
Duration: 08/01/19 - 12/31/23

Pending Proposals

Title: Drone Competition Equipment
Sponsor: Robert Z. Hawkins Foundation
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$25,100 (pending)
Duration: 08/01/24 - 12/31/25

Title: Drone Lending Library Equipment
Sponsor: Robert Z. Hawkins Foundation
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$25,000 (pending)
Duration: 08/01/24 - 12/31/25

Title: Tinkers and Tales: STEM Family Storytime Program
Sponsor: OSIT Sub Award
Principal Investigator: Nicole Maher
Co-PI: **Claire Parker**, AJ Long
Funding: \$5,000 (pending)
Duration: 8/1/2024 - 6/30/25

Title: METRICS Support for Liberty Peak Elementary School
Sponsor: OSIT Sub Award
Principal Investigator: **Claire Parker**
Co-PI: AJ Long
Funding: \$5,000 (pending)
Duration: 8/1/2024 - 6/30/25

Title: Rural and Statewide Nevada Robotics Support
Sponsor: Nevada Gold Mines
Principal Investigator: AJ Long
Co-PI: **Claire Parker**

Funding: \$200,000 (pending)
Duration: 07/01/24 - 06/30/25

Title: Nevada Robotics METRICS Program Support for Washoe County Schools
Sponsor: Arrow Electronics
Principal Investigator: AJ Long
Co-PI: **Claire Parker**
Funding: \$15,000 (pending)
Duration: 04/01/24 - 03/31/25

Conference Proceedings and Presentations

Conference Organization and Management

Long, A.J., **Parker, C.L.**, Gallivan-Wallace, M., Kufeld, A. R., Strawder-Bubala, J. L., (2023, Jun. 21 - 23). *4th Annual Robotics Academy of Nevada Educator Training*. [Logistics Coordinator]. Depoali Middle School, Reno, NV

Long, A.J., **Parker, C.L.**, Kufeld, A.R. (2023, May 31 - Jun. 2). *4th Annual Robotics Academy of Nevada Educator Training*. [Logistics Coordinator]. Legacy High School, Las Vegas, NV

Long, A.J., **Parker, C.L.** (2022, Jun. 17 - 18). *3rd Annual Robotics Academy of Nevada Educator Training*. [Logistics Coordinator]. Depoali Middle School, Reno, NV

Long, A.J., **Parker, C.L.** (2022, Jun. 13 - 15). *Inaugural Rural Robotics Academy of Nevada Educator Training*. [Logistics Coordinator]. Great Basin College, Elko, NV

Long, A.J., **Parker, C.L.** (2022, Jun. 2 - 4). *3rd Annual Robotics Academy of Nevada Educator Training*. [Logistics Coordinator]. Lied Middle School, Las Vegas, NV

Brasher, S., Long, A.J., **Parker, C.L.** (2021, Oct. 22-23). VEX GO Virtual Pre-Service Teacher Training. [Technology Liaison]. Virtual

Long A.J., **Parker, C.L.** (2021, Jun. 21-25). *2nd Annual Robotics Academy of Nevada Educator Training*. [Logistics Support]. Las Vegas and Reno, NV

Invited Presentations and Conferences

Long A.J., **Parker, C.L.**, Strawder-Bubala, J.L. (2024, April 25 - 27). *Books and Bots: Developing STEM skills through literacy*. [Conference presentation]. Nevada Association for the Education of Young Children Northwestern Regional Conference, Sparks, NV

Long A.J., **Parker, C.L.**, Strawder-Bubala, J.L., Kufeld, A. R. (2024, Mar. 25 - 27). *Books and Bots: How to use robots as a tool for teaching early math and literacy skills for PreK students*. [Conference presentation]. Celebrate the Young Child Conference, Glendale, AZ

Parker, C.L., Long A.J. (2023, Mar. 9 - 10). *No Experience Needed! Developing Robot Ready Programming*. [Conference presentation]. Nevada Afterschool Network Conference, Reno, NV

Parker, C.L. (2023, Mar. 9 - 10). *NAN STEM Panel* [Panelist]. Nevada Afterschool Network Conference, Reno, NV

Parker, C.L. (2023, Feb. 25). *No Experience Needed! Developing Robot Ready Educators* [Conference presentation]. Nevada Department of Education Computer Science Conference, Virtual

Parker, C.L., Long, A.J. (2022, Nov. 19). *Hands-on STEM: Identifying the tools available* [Conference presentation]. Nevada Teaching and Learning Conference, Virtual

Parker, C.L., Long, A.J. (2022, Nov. 19). *No Experience Needed! Developing Robot Ready Educators* [Conference presentation]. Nevada Teaching and Learning Conference, Virtual

Conferences Attended

- 2023 Nevada Future of Learning Network Conference, Las Vegas, NV
- 2023 VEX Educators Conference, Dallas, TX
- 2023 Southern Nevada Regional Professional Development Math Conference, Las Vegas, NV
- 2023 STEM Education Meet, University of Nevada, Las Vegas, Las Vegas, NV
- 2022 VEX Educators Conference, Dallas, TX
- 2021 The Future of Work in Nevada Conference, Virtual
- 2015 Nevada Military and Veteran Affairs Volunteer Conference, Reno, NV
- 2012 Association of Experiential Education National Conference, Las Vegas, NV

Publications and Reports

Strawder-Bubala, J. L., Long, A.J., **Parker, C.L.**, Satmary, S.M. Nevada Robotics Website. (2024). Website development for the Nevada Robotics STEM Education program and resources. Available: <https://nevadarobotics.org/>

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- Strawder-Bubala, J. L., Long, A.J., **Parker, C.L.** (2023, June). Monthly Impact Update. Available from: <https://nevadarobotics.org/partner-email-updates/>
- Strawder-Bubala, J. L., Long, A.J., **Parker, C.L.** (2023, May). Monthly Impact Update. Available from: <https://nevadarobotics.org/partner-email-updates/>
- Strawder-Bubala, J. L., Long, A.J., **Parker, C.L.** (2023, April). Robotics Reporter: The Desert Research Institute's Nevada Robotics Newsletter. Vol. 2. Available from: <https://nevadarobotics.org/robotics-reporter/>
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