

Max Morehead

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Education

Bachelor of Science, Computer Science

University of California, San Diego

Expected Graduation Date: June 2021

Current GPA: 3.747

Skills/Qualifications

- Proficient in C++, Java, and Python programming with Linux through research experience, classes, private study, and side projects
- Experienced with basic control and automation algorithms through FIRST robotics
- Familiar with machine learning concepts and the Tensorflow and Keras libraries through a Coursera course, private reading, and side projects
- Proven experience in working as a project team leader and project team member
- Skilled at working independently for the good of the team
- Demonstrated public speaking abilities through teaching and leading groups

Experience

Robotics and Programming Tutor, Valley View Middle School (9/2014–6/2018)

- While in high school, helped start and sustain an after-school robotics program in collaboration with the middle school Technology teacher
- Worked as volunteer and paid staff for the Girls in Robotics Leadership (GIRL) week-long camp; tutored middle school girls and fixed technical problems
- As Head Coach for the 2017 GIRL camp, adapted and developed GIRL camp curriculum and plans; worked to adapt curriculum to 2018 Stem Camp for Boys as Head Coach

FIRST Robotics Team 6662, Founder, President, and Mentor (1/2016–present)

- Founded a high school robotics team from scratch over the course of two years
- Participated in the intensive and international FIRST Robotics competition
- Led team to win the Judges' Award in our rookie season, currently an adult mentor
- Learned, applied, and taught engineering and Java programming skills in the construction and automation of a competition robot

Research Intern, Michigan State University (6/2016–8/2016)

- Research team member under Dr. Laura Chomiuk to build an open-source repository of observations of novae, a certain class of astronomical objects
- Lead design for Open Novae Catalog; learned and applied Python and Git skills

Interests/Side-projects

- Check out my Github: github.com/moreheadm
- Working on a side-project to predict football statistics using historical data and machine learning
- Mentoring a high school FIRST Robotics team (firstinspires.org)
- Designed and constructed a pinball machine from scratch