

PRASHANTI ANN ANDERSON

+1 (650)-469-2385 • www.linkedin.com/in/prashanti-anderson • paanders@andrew.cmu.edu

EDUCATION

Carnegie Mellon University

Pittsburgh, PA

B.S. in Computer Science

Expected May 2023

- GPA: 4.00
- Completed Coursework:

Principles of Imperative Computation (15-122)	Matrix Theory (21-242)
Mathematical Foundations for CS (15-151)	AI and Humanity (16-161)
- Current Coursework (Spring 2020):

Introduction to Functional Programming (15-150)	Vector Analysis (21-269)
Great Theoretical Ideas in Computer Science (15-251)	More Great Theoretical Ideas in CS (15-252)

Palo Alto High School

Palo Alto, CA

High School Diploma

May 2019

- Relevant Coursework: AP CS A, AP Physics C (Mechanics, Electricity and Magnetism), AP Chemistry, AP BC Calculus, Multivariable Calculus Honors, Linear Algebra Honors
- Activities: Palo Alto High School Robotics Team, Math Club, Math Team, Symphonic Band
- GPA: 4.47 (weighted) / 4.00 (unweighted)

SKILLS

Proficient: Java, Python, Unit Testing (JUnit), Git

Familiar: Matlab, C, Tensorflow, SQL

EXPERIENCE

Teaching Assistant for Principles of Imperative Computation at CMU

Starting January 2020

- Grade assignments, hold office hours, and teach labs for 15-122 which teaches imperative programming in C as well as basic data structures, algorithms, and complexity analysis.

Palo Alto High School Robotics Team

Palo Alto, CA

Senior Programmer

August 2015 – March 2019

- Developed and tested code for teleoperated and autonomous control. Projects included adaptive pure pursuit motion profiling, unit testing for a new 12,000-line code structure, and self-calibrating subsystems. Motion profiling work reduced tuning time from days to under an hour for autonomous paths and the team won the autonomous award in 2019.
- Created a comprehensive Java curriculum that allowed students with no prior programming experience to become proficient in object-oriented programming and learn robotics concepts such as control theory.

VEX Team Captain

January 2017 – June 2019

- Founded Palo Alto High School's VEX Robotics program. The program currently includes two teams, 4008A and 4008B, which compete in multiple regional VEX robotics competitions each year.
- Communicated with the school about space for the team on campus, teacher mentorship, and logistics.
- Won the Judges Award in 2019 at a regional competition.

VOLUNTEER EXPERIENCE

Paly Robotics Summer Camp Counselor (Programming)

July 2016 – August 2018

- Created curriculum for a programming summer camp and taught 100+ middle school students basic computer science concepts and control theory in python.

FLL and FTC Mentor

January 2016 – October 2018

- Created 4 FLL teams and mentored 2 FTC teams, reaching 40+ middle school students.

HONORS

National Merit Scholar

May 2019

AIME Qualifier

March 2018, March 2019

2018 NASA ILI TIME ADEPT Research Challenge Winner

September 2018