Matthew Fan

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Website: http://matthewfan.com

Education

Rolla High School: 2014 – 2018

Dual Enrollment at Missouri University of Science and Technology: 2015-2018

- Calculus 1-3
- Discrete Math
- Data Structures
- Digital Logic

Undergraduate at UCLA: 2018 – 2022

- Computer Science

Work Experience

Software developer intern at Missouri University of Science and Technology: 2014 – 2017

- Used C++ and Qt to create a visualization tool for inductance
- Used Android SDK and Java to develop a battery analytics app for wireless charging

Web Developer for MUELAN: 2017

- Used HTML5, CSS3, and JS to create a static website for MUELAN

Web Developer for ClearSig: 2018 –

Skills

C++, Java, Python, JS, ReactJS, GulpJs, HTML5, CSS3, git

Activities

FIRST Robotics

- **FTC 5893: 2012 – 2018**
  - Team lead and lead programmer
  - Used Java
  - Used OpenCV to detect field elements and act accordingly
  - Created a robust command framework to easily manage robot components and actions that is used by other teams
- **FRC 6817: 2017 – 2018**
  - Founder and lead programmer
  - Used Java
  - Developed driver dashboard with C++ and Qt
- Outreach by running demos, hosting fundraisers and events, and reaching out to surrounding community

Unmanned Aerial Systems at UCLA: 2018 –

- Helped develop drone interface using ReactJS and Electron