

# KYLE MARINO

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## EDUCATION

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### USC Viterbi School of Engineering ■ Los Angeles, CA

May 2023

BS, Electrical Engineering

Relevant Coursework: Linear Algebra, Introduction to Embedded Systems

GPA: 3.93

### Los Altos High School ■ Los Altos, CA

June 2019

Relevant Coursework: AP Calculus BC, AP Computer Science, AP Physics C, Advanced Java, Data Structures

GPA: 4.5 (W) / 3.97 (UW)

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## WORK EXPERIENCE

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### Really, Inc ■ Mountain View, CA

June–Dec 2018

#### Intern

- Collaborated with a small team to develop a machine learning engine that analyzes changes in social media posts to detect the onset of potential neurodegenerative diseases.
- Created a program and a database with Node.js and Java that records and stores linguistic changes over time.

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## PROJECTS

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### USC Rocket Propulsion Laboratory

Sept 2019–Present

#### FPGA, PCB, and Embedded Systems Teams

- First undergraduate student team to launch and recover an entirely self-designed rocket past the Karman line
- Leading the development team of an FPGA data collection and real-time dead reckoning system in Verilog
- Constructed new power regulation, battery management, and FPGA PCBs for the avionics unit of the rocket.

### Quadcopter

Dec 2016–June 2018

- Designed and built a fully functioning, self-stabilizing quadcopter with a camera and remote-control capabilities.
- Engineered all embedded software, including drivers for various sensors and serial communication.

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## LEADERSHIP

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### Boy Scouts of America ■ Los Altos, CA

June 2006–Sept 2018

#### Eagle Scout

- Led the restoration of tables and benches at the Los Altos History Museum (Eagle Scout project).
- Organized weekly meetings, planned camping trips, and served as an Assistant Patrol Leader for younger Boy Scouts.

### Los Altos Hacks ■ Los Altos High School

Jan 2017–June 2019

#### Organizer

- Contacted companies for sponsorships and helped the team raise over \$25,000 for the event.
- Worked with a team of 12 students to secure funding, a venue, judges, and participants for the hackathon.
- Mentored hackathon participants and improved their programming and web design skills.

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## ADDITIONAL INFORMATION

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### Awards:

- USC Presidential Scholarship (February 2019)
- AP Scholar with Distinction (July 2018)
- National Honor Society (April 2017)
- Best Web Application, Code Day Bay Area Hackathon (May 2016)

**Skills:** Java, C, C++, Python, JavaScript, Verilog, Node.js, PHP, Git, SQL, Altium