KYLE MARINO

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EDUCATION

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)

WORK EXPERIENCE

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.

PROJECTS

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.

LEADERSHIP

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.

ADDITIONAL INFORMATION

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