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EDUCATION

University of California, Riverside 4.00 GPA **Expected Spring 2022**

- Bachelors of Science Computer Science
- Notable Courses: Machine Organization & Assembly Language
- Courses In Progress: Logic Design, Intermediate Data Structures and Algorithms, Compiler Design
- Courses Expected by Graduation: Advanced Embedded and Real-Time Systems, Operating Systems, Advanced Computer Architecture, Concurrent Programming and Parallel Systems, GPU Computing & Programming

El Camino College **Fall 2016 - Spring 2020**

- Associates of Science in Mathematics, Certificate of Computer Science
- Notable Courses: Data Structures, Differential Equations with Linear Algebra, C++, Python, Java

EXPERIENCE

Undergraduate Research **January 2021 - Present**

- Study the power usage of GPU accelerated embedded systems under various workloads
 - Jetson AGX Xavier and Nano
- Discover power-savings through Dynamic Voltage and Frequency Scaling (DVFS)

TUNE Summer Research Program **July - September 2020**

- 10-week research program.
- Developed Continuous Integration workflow with support for Nvidia GPUs.

Magikid Robotics - Instructor **August 2018 - July 2020**

- Initial employee teaching robotics and programming to children aged 6-13.
- Lead multiple VEX IQ, FIRST Lego League, World Robotic Olympiad, and Wonder League Robotics Competition teams.

ACM Chapter President **August 2017 - August 2020**

- Worked in organizing meetings, guest lectures, code competitions, and code camps.

FIRST Robotics Mentor **2016 - 2017**

- Worked with students from Redondo Union and Mira Costa High School.
- Helped students design and program autonomous and user controlled robot functions.
- Team of 45+ students split into Mechanical, CAD, and Programming subteams.

LANGUAGES AND TECHNOLOGIES

- **Languages:** Python; C++; Java; Javascript/TypeScript/NodeJS; MySQL; Bash; HTML/CSS
- **Tools/Frameworks:** Linux; Git/GitHub; Docker/Swarm; CUDA; Angular; Proxmox; Firebase;