

Eric Valle

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Education

San Diego State University - B.S. Computer Engineering **Graduated May 2022**

Relevant coursework: Embedded Systems Programming, C Programming (C, C++, C#), Digital Circuits, PCB Design, VLSI System Design, Computer and Data Networks, Full Stack Development, Data Structures, Java Programming, Develop in Swift

Work Experience

Apple - Software Engineering Career Experience (Java, Kotlin) **February to July 2022**

- Selected out of hundreds of applicants to develop an analytics dashboard to monitor data sanity, system health, and performance; the dashboard is still used in production for analytics and debugging
- Led several dashboard R&D discussions, provided detailed updates, reduced product ambiguity to zero, and drove business impacting decisions
- Collaborated with engineers from multiple departments to improve the quality of the product and brought awareness to blocking issues to ensure on time delivery
- Utilized software related tools such as: data visualization tools, non-relational database, scripts, APIs, Numbers, Docker, VS Code, AWS, and Github

Apple - College AppleCare At Home Advisor **July 2018 to February 2022**

- Troubleshooted and resolved issues involving all Apple products using P.A.I.R. process, consistently achieved above 90% in customer satisfaction and issue resolution metrics
- Promoted to manager, trained and mentored other advisors, owned hard calls, mastered time management, and delivered on commitments

Project Experience

San Diego State University - Senior Design Project (C, Python, SQL) **August 2020 to May 2021**

- Directed a team of five electrical and computer engineers to develop a capstone project called "Solar Battery System"; sponsored by SDG&E and the chair of the Department of Computer Engineering
- Developed the Energy Management System which controlled and monitored the different components used in the system, and stored data for analytic visualizations
- Interacted with software and hardware technologies: Raspberry Pi 3b, PCBs, sensors, system components, varying AWG wires, python code, and an SQL database

San Diego State University - IEEE Hack-a-thon (C++) **April 2018**

- Enabled a team of three randomly selected individuals to develop a product to detect and provide assistance when a person falls, which used an Arduino, potentiometer, and robust code; awarded 2nd place

Skills

Technical: Java | Python | C++ | Kotlin | C | HTML | Swift | SQL | Raspberry Pi | Arduino

Tools: GitHub | Docker | Visual Studio Code | Quip | Slack | Numbers | Pages | Keynote

Interpersonal: Attention to detail | Research | Collaboration | Problem solving