

KYLE DAMSCHEN

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SKILLS

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| Technical Skills | Python, C++, C, JavaScript, Linux, NodeJS, GIT, and SQL |
| Soft Skills | Problem Solving, Accountability, Strong Communicator |

EXPERIENCE

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| Software Engineer I | Oct 2023 - Present |
| Raytheon | <i>Tucson, AZ</i> |

- Working on updating and maintaining an internal common product using C and C++ to increase development speed and code reusability.
- Performing campaign analysis on key strategic scenarios using Python which led to our data being presented to the board of directors in order to help direct business decisions.
- Researched and documented how PowerBI can be used in a collaborative GIT environment within Raytheon teams.

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| Full Stack Developer | Feb 2022 - Oct 2023 |
| Citrus Clonal Protection Program | <i>Riverside, CA</i> |

- Revamped a web application achieving 100% UI responsiveness using HTML, CSS, Vue.js, and JavaScript.
- Developed a full stack web application which led to a 50% improvement in lab team input and retrieval time using JavaScript, JQuery, Microsoft SQL, HTML, CSS, and NodeJS.
- Developing an OCR project that will organize scanned PDF data into a localized database for easier access using Python and the Google Drive API.

PROJECTS

Testing Center Application. Built a full stack testing center application in a team of 4 for UC Riverside using VueJS, Django, Python, Docker, and PostgreSQL that will allow professors to schedule exams outside of class in a proctored setting. This project involves daily scrum meetings, robust testing, agile practices, and a secure platform for users.

RC Car Automation. Built an autonomous RC car in a team of 4 using Python, Machine Learning, middle-ware, and google cloud services to achieve self driving with real time data collection to detect traffic and road blockages to then find a better/faster route for all cars on the network. This Project involves agile practices and full system testing.

ACM Club Portal. Developed a club web portal for members of ACM@UCR using ReactJS, NextJS, Firebase, Agile Methodologies, and Tailwind CSS to provide an easy way for members to keep up to date with club events and request services that the club offers.

EDUCATION

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| Bachelors of Computer Science , University of California, Riverside | 09/2021 - 06/2023 |
| <i>GPA: 3.70</i> | |

Relevant Coursework: Intermediate Data Structure and Algorithms, Software Construction and Testing, Database Management, Concurrent Programming, Assembly Language, Operating Systems, Compiler Design, Artificial Intelligence, Intro to Machine Learning, Edge Computing, and Embedded Systems.

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| Associates of Mathematics , Palomar College | 08/2018 - 05/2021 |
| <i>GPA: 3.73</i> | |