

Russell Arquero

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Computer Science College Student seeking Internship Opportunity

Relevant Skills

- Programming Languages: Python, Java, Familiar in Next.js, TailwindCSS
- Development Tools: Visual Studio Code, GitHub
- Machine Learning: Familiar in TensorFlow, Pandas, Matplotlib

Education

Bachelor of Science, Computer Science

December 2025

University of the Pacific

Coursework

- Application Development
- Design/Analysis of Algorithms
- Computing Theory
- Computer System & Networks
- Artificial Intelligence
- Computer Simulation

Projects

Optimal Pathfinding for Multi-Store Routes

Fall 2024

- Designed a routing system to find the most efficient path utilizing A* algorithm
- Incorporated real-world map data for practical route analysis and application
- Leveraged custom heuristics based on crowd density and wait time
- Applied OpenStreetMap API to fetch map data and query for route analysis

Detecting Spam in Emails

Spring 2022

- Developing machine learning models to identify spam emails using Python/TensorFlow
- Utilizing TensorFlow and Keras to construct a model with 86% test accuracy
- Leveraged libraries such as Pandas, NumPy, Matplotlib, Seaborn, and WordCloud

Miro Clone Tutorial: Building a Real-Time Whiteboarding Website Spring 2022

- Gained knowledge of front-end tools and frameworks
- Created a real-time collaborative whiteboard website using React, Next.js, TypeScript
- Utilized Convex, Clerk, and Liveblocks for backend, authentication, and live collaboration

2D Space Runner

Fall 2019

- Designed engaging levels and interactive elements with a team using agile methodology
- Implemented game mechanics such as player movement, power-ups, and enemy AI in Java utilizing Object-Oriented Programming

Work Experience

Warehouse Associate

Jun 19 – Jun 20

Amazon DCK1, Manteca, CA

Organized, scanned and allocated packages to designated containers.

Achieved 100% scan compliance. Trained new hires. Assisted in ensuring smooth workflow with various teams.