Jacob Schwarzenberger

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Summary

As a graduate from UC Irvine with a Bachelor of Science in Computer Science and Engineering, I seek a professional opportunity to showcase my skills and contribute to a dynamic team. My passion for software development and a strong work ethic drives me to excel in a fast-paced, collaborative environment.

Education

B.S Computer Science and Engineering from **University of California, Irvine.** 08/19 - Graduated **06/23**

Technical Skills and Expertise

● **Skills:** Python, Java, Javascript, C++, Spanish, Problem Solving, Analytical Thinking, Software Deployment
● **Knowledge:** Salesforce, Apex, Relational Databases, Visual Basic, REST, Salesforce Flows, HTML, CSS, ANTLR, Java, Assembly, Maven, Node.js, Data Retrieval, Data Processing
● **Technologies:** Salesforce, Firebase, Github, Postman, Bash, Raspberry Pi, AWS, GraphQL

Professional Experience and Development

D&D Integrated Solution: Salesforce Developer   (06/2019 – 09/2022), Concord, CA
● Led experimental battery recycling program with Tesla, D&D, and Redwood Materials. Selected for specialized computer repair training. Processed and installed software for West Contra Costa School District. Assembled security products for D&D Amazon Shop.

Target: Sales Floor Team Member   (2018-2019), Dublin, CA
● Worked at the cash register and developed customer service skills. Restocked aisles and assisted customers whenever they needed help or had questions

Pipeline from *QuoteWerks* to Salesforce: (08/22 – 09/24)
● Added functionality Quotewerks API lacked. I developed software to automatically pipe product order data from Quotewerks to D&D's Salesforce database. This greatly reduced repetitive labor and removed the chance for error.

Product Ordering Workflow: (07/22 – 08/22)
● I developed a workflow for D&D's internal use that walked users through filing product orders on Salesforce and automatically sent emails to relevant parties. This greatly reduced tedious manual labor, saving users time

Revamped Product Ordering Page: (06/22 – 07/22)
● I designed a custom Apex component for D&D's product ordering table, allowing users to make inline changes, without the need for navigation to another page to edit each row of data, greatly cutting down wasted time.

Crux Programming Language: (01/23 – 03/23)
● Using ANTLR, I developed a programming language called Crux. It included 5 parts, the grammar, abstract syntax tree, type checking, immediate representation, and assembly code generation.

Streaming Service: (10/23 – Present)
● I am currently developing a streaming service where users can watch media in sync with each other and browse media scraped by a custom web crawler.

Freelance Web Design: (09/23 – 11/23)
● I recently remodeled a construction company's website to make it more responsive, modern, and up-to-date with competitors. Company also has access to admin page for adding site content without developer intervention.

Search Engine: (04/22 – 06/22)
● Wrote code to scrape and index approximately 250k links in an hour using the Simhash algorithm. Developed a search program that utilized cosine similarity. Managed extensive data through indexed data chunks.

Autonomous Shopping Cart: (11/22 – 06/23)
● I wrote the software for my senior project team's autonomous shopping cart. This allowed it to navigate a path while safely slowing down to avoid collisions.

Professional Organizations and Interests

● Member of Institute of Electrical and Electronics Engineers (IEEE)
● Member of American Mathematical Society (AMS)
● Side projects to enhance and maintain development skills, Gaming, Muay Thai and Boxing