

Jacob Schwarzenberger

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[Linkedin](#) • [Github](#)

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++, React.js, 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, fluent in Spanish
- **Technologies:** Salesforce, **Firebase**, **Github**, Postman, Bash, Raspberry Pi, **AWS**, GraphQL

Professional Experience

D&D Integrated Solution: Salesforce Developer

Concord, CA, (06/19 – 09/22)

- 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.

Pipeline from QuoteWerks to Salesforce:

(08/22 – 09/22)

- Wrote 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)

- 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)

- 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.

Target: Sales Floor Team Member

Dublin, CA, (2018-2019)

- Worked at the cash register, restocked aisles, and assisted customers when they needed help or had questions

Personal Development and Project Experience - [Portfolio Site](#)

[Company Page Revamp - Freelance Web Design:](#)

(09/23 – 11/23)

- Remodeled a construction company's website to make it more responsive, modern, and up-to-date with competitors. Owners can also access the admin page for adding site content without developer intervention.

[AI Chat Window - Freelance Web Design:](#)

(04/01 – present)

- Assisted a telehealth business by developing an AI chatbot window using OpenAI's API to provide users with general and nutritional health advice. The client can embed the component using a simple iframe html tag.

[Heardle Clone:](#)

(02/23 – 03/23)

- Developed a clone of Spotify's game, Heardle, which was shut down this last year. I used AWS Lambda and Spotify's web API to query top songs, a DynamoDB for storage, and a Gateway API for client requests to the DB.

[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.

[Job Aggregation Site:](#)

(02/24 – 02/24)

- Developed a site that uses AWS Lambda Functions to scrape job boards and store jobs in a DynamoDB in order to aggregate them. Users can search and eventually sort through these results from a single common site.

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