Susan Wu (she/her)

Software Engineer in the San Francisco Bay Area, CA

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TECHNOLOGIES

Languages│ Python, JavaScript, HTML, CSS, SQL
Frameworks & Libraries│Flask, SQLAlchemy, Jinja2, React, jQuery, JSON
Database & Industry Tools│ PostgreSQL, Git, GitHub
Tools/ Software│Agile/Scrum, Google Workspace, Smartsheet, Microsoft Office, Lascom PLM

EXPERIENCE

Software Engineer Fellowship   **Mar 2023 – Jun 2023**
Hackbright Academy

- Developed a full-stack application that allows users to search and save hiking trails from national parks. This app was designed with a Python/ Flask back-end, a PostgreSQL database and a JavaScript front-end. Styled using CSS and Bootstrap
  - Incorporated the National Park Service (NPS) API to store national park data in database and to display trails in search feature
  - Used AJAX and Google Maps API to display coordinates of user's favorite parks
  - Developed project timeline and goals, including project outline, MVP, data model, user flow and wireframes
- Developed experience in all phases of Agile Methodology to complete a high value web application
- Implemented the best practices of Agile Scrum methodology to streamline collaboration and tackle deadlines efficiently
- Collaborated with fellow software engineers to accomplish daily application development and debugging

Food Technologist   **Nov 2020 – Oct 2022**
Impossible Foods, Inc.

- Managed product specifications and documentation on product life management system for multiple projects
- Led product sensory, performance, and operational qualifications of 23+ plant based products at scale
- Planned and executed 15+ pilot trials, 5+ manufacturing trials, and supported 5+ manufacturing trials
- Analyzed sensory and product evaluations data used to define product specifications
- Implemented quality release criteria, specifications and assessed range of defects in support of critical launch decisions
- Assessed different manufacturing processes and technologies to determine new product development feasibility
- Managed relationships and technical timelines within cross functional teams and co-manufacturers

Stability Technician   **Aug 2019 – Nov 2020**
Impossible Foods, Inc.

- Built and designed an automated shelf life testing schedule via Smartsheet using scripting with conditional logic expressions
- Created dashboards on Smartsheet and Google Sheets to streamline communications with stakeholders and increase workflow efficiency

EDUCATION

Hackbright Academy   **Mar 2023 – Jun 2023**
Software Engineering Fellowship - Certificate, Full-time Software Engineering Program

University of California, Davis   **Sep 2015 – Jun 2017**
B.S., Biological Sciences