

## EXPERIENCE

### Engineering Intern (Python, PostgreSQL, OpenCV, SerpApi, difPy, Wordcloud)

Audere • Aug 2023–Jan 2024

- Engineered an image curation and filtering tool to gather and refine web-scraped images for AI model training data
- Exceeded program goal by 10x, upholding stringent quality standards and achieving cost savings
- Regularly briefed executive leadership on project progress, enhancing communication skills
- Worked closely with product managers and engineering team to define project requirements, expanding the scope from a proof of concept to a scalable and reusable Command Line Interface (CLI) tool
- Produced architectural documentation for smooth knowledge transfer to full-time engineers

### IT Support (Computer Support Technician I)

University of Washington Paul G. Allen Center • Apr 2019–Sep 2022

- Delivered comprehensive technical support encompassing networking assistance, asset management, OS reimaging, and software/hardware configuration across multiple platforms (macOS, Windows, Linux)
- Managed a Google Apps script for server issue documentation, minimizing server downtime
- Researched, documented, and maintained internal troubleshooting procedures and IT best practices
- Maintained data accuracy while updating proprietary equipment database via command line interface
- Provided training, task delegation, and supervision for Student Lab Assistants (SLAs)

## PROJECTS

### 3D Bubble Tea (React, Three.js, React-three-fiber, Apache Spark)

Jul 2023–Aug 2023 - <https://threed-bubble-tea-ordering.onrender.com/>

- Collaborated in a team of two to develop a react-three-fiber web app using three.js, enabling users to customize bubble tea orders with a real-time 3D preview
- Implemented an analytics page utilizing Apache Spark to display drink choice popularity derived from order data analysis
- Designed a user-friendly UI and frontend for drink customization, integrating React router for navigation
- Conducted comprehensive cross-platform and browser testing to ensure optimal user experience and compatibility

### Inspiration Board Website (Flask, PostgreSQL, React, Axios)

June 2023 - <https://byte-sized-inspiration-board.netlify.app/>

- Developed a robust back-end solution utilizing Flask and PostgreSQL to manage inspiration boards and cards
- Directed front-end and back-end task allocation for a team of four, accelerating project completion by two days
- Implemented a responsive front end with React and Axios, facilitating dynamic updates and database management
- Introduced user-friendly UX features to support CRUD operations for boards and tasks

### Task List API & Front End (Flask, PostgreSQL, React, Axios)

May 2023–June 2023 - [github.com/Coolcud/task-list-api](https://github.com/Coolcud/task-list-api), [github.com/bunnaery/task-list-front-end](https://github.com/bunnaery/task-list-front-end)

- Engineered a Flask and PostgreSQL API deployed on Render, enabling users to efficiently update their tasks and goals
- Established RESTful routes for standard CRUD operations, alongside customized routes for unique functionalities
- Crafted a client-side React website, integrating the Task List API for seamless task viewing and management capabilities

### Help Line Website (JavaScript, HTML, CSS, Bootstrap)

Aug 2017–Sept 2017 - [channym26.github.io/HelpLine/index.html](https://channym26.github.io/HelpLine/index.html)

- Collaboratively built a website in a team of four to deliver educational resources on sexual assault prevention
- Implemented Bootstrap to enhance viewer engagement with an educational carousel of facts and interactive quiz
- Conducted rigorous testing and refinement of front-end interactive elements to ensure seamless cross-platform usability

## SKILLS & TECHNOLOGIES

- Programming Languages:** Python, Java, JavaScript, SQL, HTML, CSS
- Frameworks & Libraries:** Flask, React, Axios, Node.js, Bootstrap, OpenCV, SerpApi, difPy
- Tools:** Git / GitHub, Visual Studio Code, Postman, Render, Slack, Jira, Confluence
- Methodologies:** Test-Driven Development (TDD), Object-Oriented Programming (OOP), Agile Methodology, REST API Development, Pair Programming, Entity-Relationship Diagrams (ERD), Continuous Integration/Continuous Deployment (CI/CD)

## EDUCATION

### Full Stack Web Development Bootcamp

Ada Developers Academy • Mar 2023–Jan 2024

### B.A. in Food Systems, Nutrition & Health

University of Washington • Sept 2018–Mar 2022