

Katherine Chacon Cai

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EDUCATION

B.A. Computer Science, University of Virginia

Aug. 2022 - May 2025

Courses: Software Engineering, Data Structures and Algorithms, Computer Systems

PERSONAL PROJECTS

Lead Developer, SceneIt.tv

- Created SceneIt.tv, a web application that stores user generated insights on TV shows and movies in a centralized repository, allowing for filtering through user created tags.
- Developed using React and Tailwind CSS for the user interface, Google OAuth for authentication and authorization, and Firestore database to persist user data.
- Integrated The Movie Database REST API to fetch and display movie and TV show related data.
- Deployed application through Netlify.

Whistleblowing for Bad Parking

- Created a web application that allows users to file complaints about bad parking and allows admins to provide feedback to complaints.
- Developed using Django, leveraging its ORM, templating engine, and admin interface.
- Implemented secure user authentication using Google OAuth and deployed the application on Heroku.
- Utilized AWS S3 bucket to manage user uploaded media such as images, PDF documents, and text files.
- Led a team of 5 in conducting user studies and drove progress towards key project milestones.
- Applied software development best practices by utilizing feature branches, issues, and pull requests on GitHub to improve efficiency during the development lifecycle.

Course Review Management Application

- Built a JavaFX application that allows users to input and review classes, with the functionality to make these reviews visible to all users upon submission.
- Integrated SQLite for persistent storage of user data, course reviews, and passwords.

WORK EXPERIENCE

Camp Counselor, Steam Kidz Lab

June - Aug. 2023 & June - Aug. 2024

- Exercised rapid decision-making to maintain a positive and engaging environment for campers, turning monotonous activities into fun games and tasks.
- Maintained consistent communications parents to ensure transparency between the camp staff and parents.
- Served as primary mediator for interpersonal conflicts among campers.

Crew Member, Frutta Bowls

May - Aug. 2022

- Worked frequent shifts in a fast-paced environment.
- Resolved customer complaints quickly and professionally.
- Maintained customer satisfaction and business standards when running the store independently.
- Developed organized team work and communication skills to efficiently prepare food for customers.

SKILLS

Languages: Python, Java, JavaScript, C

Other: React, Django, JavaFX, SQL, Firestore, AWS, Heroku, Git