

# Cyrus Asasi

✉ [cyrusasasi@gmail.com](mailto:cyrusasasi@gmail.com) | 📞 +1 (760) 703-9509 | 🌐 [github.com/hecate946](https://github.com/hecate946) | 🌐 [hecate946.com](https://hecate946.com)

## Education

**University of California, Los Angeles (UCLA)**

Expected: Jun. 2026

B.S. in Computer Science

**GPA: 3.85**

Relevant Courses: Machine Learning, Database Systems, Operating Systems, Web Applications, Networking Principles  
Computer Architecture, Software Construction, Distributed Systems, Computer Security

## Work Experience

**Taiki Inc**

June. 2024 - Ongoing

**Universal API for Tax Documents**

*Python, Django, Dart, Flutter, Git, Bootstrap, CSS, HTML*

- Reverse-engineered 20+ bank APIs to automate tax document extraction.
- Developed a client dashboard with optimized UI/UX using Django.
- Built and deployed cross-platform mobile app (iOS/Android) using Flutter/Dart.
- Integrated 20+ dynamic data extractions from banks and financial services via Dart.
- Co-designed database architecture and backend server using Django and Postgres.

## Projects

**Neutra**

Sep. 2019 - Dec. 2021

**A moderation and stat tracking bot used by 500,000 users**

*Python, Markdown, YAML, Git*

- Designed a secure and efficient database schema using Postgres.
- Delivered comprehensive statistics to server owners on message/user data for security.
- Developed a music playing feature with custom audio effects using FFMPEG.
- Engineered a versatile auto-moderation system for user management.
- Wrote detailed documentation outlining all 320 commands that users can run.

**Key Duplicator**

Sep. 2022 - Mar. 2023

**3D modeling software to generate 3D-models from physical keys**

*Python, OpenSCAD, HTML, OpenCV, Git*

- Applied the OpenCV software to analyze images, computing precise key dimensions.
- Utilized Selenium to scrape key metadata from 100+ key manufacturing manuals.
- Crafted 100+ OpenSCAD scripts to generate STL files from key data.

**C Webserver**

Jun. 2023 - Sep. 2023

**A lightweight webserver written in C**

*C, JavaScript, HTML, CSS, Make*

- Constructed a C-based web server using socket calls, handling POST and request calls without external libraries.
- Devised a caching mechanism employing linked lists and a hash map for efficient data storage.
- Integrated Pthreads module for concurrent task handling when sending packet data.
- Connected dynamic frontend components to the C web server without using any third-party libraries.

**Sketyl**

May 2022 - Sep. 2022

**Spotify stats and insights web application**

*Python, JavaScript, jQuery, HTML, Flask, Bootstrap, Git*

- Showcasing user's Spotify top tracks, insights and listening history through visualizations in HTML.
- Integrating Spotify's OAuth2, API scopes and endpoints to access user's data for further process with Flask.

**isabellaweaverart.com**

Jul. 2024 - Ongoing

**A commissioned portfolio website**

*Pug, SCSS, JS, Git*

- Used pug and scss for clean development environment and templating.
- Focused on good website SEO practices and visibility.
- Created a modern design template using css grid and dynamic resizing queries.
- Implemented dynamic frontend features using vanilla js.

## Leadership and Volunteering

**Discord.py source code contributor and tutor**

- Tutored aspiring developers by offering useful programming insights and project help.
- Orchestrating coding tutoring sessions and events to enhance skills and encourage involvement.