

# Alex Lau

**EMAIL:** alexlauuo@berkeley.edu **PHONE:** 787-669-8710

**ADDRESS:** 2562 Le Conte Ave Berkeley, CA 94709

**GitHub:** <https://github.com/alexlauuo>

## EDUCATION

**University of California, Berkeley**

**Expected Graduation: 5/12/2023**

*B.A. Computer Science, B.A. Philosophy* **GPA:** 3.71

## EXPERIENCE

### Amazon

**5/2022 - 8/2022**

*Software Development Engineer Intern*

*Irvine, CA*

- Created CLI tool for Experience Generator team from ideation and design document to fully functional and production ready tool
- Independently managed new package that used pre-existing Typescript code and npm libraries
- Followed standard software engineering practices with concise code reviews, extensive unit and integration tests, and implementation of efficient design patterns and algorithms

### Berkeley Student Cooperative

**8/2021 - Present**

*Habitability Coordinator*

- Scheduled and conducted unit-level habitability workshops, documented housing violations, and developed list of tasks throughout the year to solve them
- Collaborated with managers in diverting recyclables, best practices, and member outreach

### Juni Learning

**6/2020 - 9/2020**

*Instructor*

- Worked as instructor for children from elementary to high school aged in one-on-one hour-long private sessions, teaching basic programming fundamentals and concepts
- Taught students concepts in data structures and programming paradigms in Python and Java
- Wrote reports after each teaching session, listing what was taught, homework, and progress

## RELEVANT COURSEWORK

• Data Structures • UI Design and Development • AI • Linear Algebra • Discrete Math and Probability Theory

## PROGRAMMING LANGUAGES

• Java • C# • JavaScript • SQL • Python • HTML • CSS • RISC-V (Assembly) • Typescript • C

## FRAMEWORKS/TECHNOLOGIES/LIBRARIES

• Git • Jupyter • Unity • Django • Websocket API • jQuery • npm • Bootstrap

## PROJECTS

### Summer Kagu Romance

- As team of 3, designed and iterated concept and direction of Unity 2D visual novel
- Wrote 70+ pages of character dialogue, interactions, and choices for project characters
- Programmed shop and character card system and interface using C# scripts
- Project link: <https://njew25.itch.io/furniture-dating>

### Papyrus

- As team of 5, created story-driven web app designed for language learning and story-telling
- Written using Django and MySQL to store and retrieve user-created stories and styled with Bootstrap
- Project Report: <https://bit.ly/3k5raok>
- GitHub Link: <https://github.com/NicholasJJ/cs160finalfrontend>