

JAMIE G. LIU

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EDUCATION

University of California, Los Angeles

Los Angeles, CA

Bachelor of Science, Computer Science *GPA: 3.78/4.00*

Sep 2017 – Jun 2021

Coursework: Algorithms and Complexity · Artificial Intelligence · Computer Architecture · Network Fundamentals · Operating Systems · Programming Languages

PROJECTS

Passworks

React.js, Material-UI

An educational module to teach students about the importance of password security.

- Led the collaboration between ACM Teach LA, ACM Cyber, and CityLab at UCLA
- Designed and implemented an interactive lesson structure with an animated password guesser
- Implemented a custom React.js router with fluid transitions between lesson content

Teach LA Code Editor

React.js, Redux, Node.js, Firebase

A web IDE made for K-12 students learning Python, HTML, and Processing.js.

- Added account management features for users to change their display name and profile image
- Implemented a view-only mode for programs, allowing them to be runnable but not editable
- Developed a feature allowing logged-in users to fork other people's programs
- Refactored code to improve overall app structure for future functionality

HOTH Website

Gatsby, Material-UI, GraphQL

The website for UCLA's premier beginner-friendly hackathon, Hack on the Hill (HOTH).

- Ramped up development by setting up a GitHub Actions-based CI and a Netlify-based deployment workflow
- Developed a number of responsive pages using Material-UI components
- Iterated on website design by collaborating with external designers

EXPERIENCE

UCLA Department of Computer Science – Learning Assistant

Apr 2019 –

- Taught students taking Computer Organization (CS 33) and Software Construction Projects (CS 97), an experimental course
- Collaborated with instructors to create course materials and discuss course plans
- Instructed students during office hours and discussion sections
- Designed and led workshops to help students with course concepts and projects

UCLA Social Sciences Computing – Support Consultant

Oct 2019 –

- Provided phone, email, and on-site IT support for all departments in the Social Sciences Computing network

STUDENT ORGANIZATIONS

ACM Teach LA – Lead Developer

Sep 2018 –

- Mission: empowering K-12 students in the LA area with the power of computer science
- Developed educational tools including Passworks and the Code Editor

ACM Hack – Board Officer

Dec 2019 –

- Mission: empowering UCLA students to influence their world through code
- Planned various educational events and mentored at workshops

AWARDS AND HONORS

Grace Hopper Celebration Sponsorship, UCLA

Jul 2020

Upsilon Pi Epsilon

Dec 2019

SKILLS

C/C++ · Python · JavaScript · HTML/CSS
Node.js · React.js · Gatsby · Firebase · GitHub Actions