

Zhuo Lu

WORKS & EXPERIENCES

Teaching Assistant August 2017 – Now
Web Design DeCal

- Maintain and update the course portal implemented in Django to support a redesigned curriculum for fall 2017.
- During summer 2017, updated course info website and a project showcase site displaying works done by previous students.

Research Assistant February 2017–Now
Berkeley Center for New Media

- Teamed with PhD candidate Juliana Friend from the Department of Anthropology to design and develop the Many-to-Many project website (<https://many-to-many.net>), offering an online platform to facilitate ethnographic research.
- Designed and implemented a multilingual CMS with content versioning, a custom front-end MVC, with its structure similar to that of CoCoa MVC, and a RESTful server with LAMP for data query and mutation.

Student Ambassador for the Arts September 2016–Now
Cal Performances

- Committee Manager for "Students' Night Out" since September 2017.
- Hold post-performance reception events such as "SpeakEasies" for audience to mingle and to share thoughts about the show.
- Promote Cal Performances events through physical presence or social media on platforms like Facebook, Twitter and Instagram.

Volunteer for International Programs October 2016–Now
Berkeley International Office

- Assisted social event programming such as the monthly "iMixes," as a space for students to mix and mingle. In 2016, teamed with other volunteers and created a pumpkin carving contest.
- Helped migrate Berkeley International Office website to the new Open Berkeley platform based on Drupal.
- Designed logo and banner for the Resilience project.

Academic Intern January 2017–May 2017
COMPSCI 61A: Structure of Interpretation of Computer Programs

- Held weekly office hours to help students, who took COMPSCI 61A in Spring 2017, better understand the course materials.

Freelancing Programmer June 2015–May 2017
Alga (Far East)

- Communicated with client to deliver solutions for statistical analysis. Developed VBA Macro in Microsoft Excel.

Web Developer Intern July 2015
Dulwich College Management International

- Full-stack developer on website for Dulwich Science Art Photography Competition (<http://dulwichphotos.com>), annually held across 7 campuses. Back end implemented with LAMP.
- Created interactive gallery of photos from past and current events.
- Communicated with the marketing department to deliver feasible web solutions for photo submission.

CONTACT

Email sethlu@mintkit.net
Web <https://mintkit.net>
Phone +1 (510) 345-7281

EDUCATION

University of California, Berkeley

Expected graduation date: May 2020
B.A. Computer Science (intended)
College of Letters & Science

SKILLS

Programming

Proficient in Python, JavaScript, PHP, HTML, CSS, SQL, VBA; intermediate in Java, C, C++, Scheme.

Familiar with Git, JetBrains IDEs, package management tools like npm, build tools such as Gulp.

Creative Tools

Adobe Photoshop, Illustrator, InDesign, Premiere, After Effects; Blender; Final Cut Pro X

PROJECTS

- Interactive paper engineering for pop-up books and cards. Derived interpolation algorithm for motion of gullies through paper folding. Implemented with WebGL in JavaScript.
- Codesigning tool for macOS distribution of apps created with GitHub Electron. Implemented with Node.js, distributed through npm.
- Interactive terrain painting with polygonal mesh extraction by marching cube algorithm. Implemented with OpenGL in GLSL and C++.
- Web-based collaborative drawing app for entertainment, distributed on the Mac App Store. Implemented with GitHub Electron and Node.js in JavaScript, PHP, HTML and CSS.