

Zachary Kirby

Full Stack Developer

zkirby.github.io
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education

University of California, Berkeley

Computer Science and Film

May 2020 4.0 GPA

Web Design, Data Structures,
Machine Structures, Information Devices
and Systems, **Data Science**, Discrete Math,
Linear Alg, Entrepreneurship Bootcamp

skills

Frontend

- Ionic 2 (Typescript, Angular, Sass),
React, HTML/CSS

Backend

- Express, MongoDB, Neo4j

Design

- User Research, D4D, Adobe
Creative Cloud

General

- Javascript/jQuery, Python, Java

projects

Athena github.com/partyshah/athena

- Ed tech **web app** that lets educators upload
and download lesson plans.
- **React**, Sass, Express, MongoDB.

Explore! <https://tinyurl.com/explore-firebase>

- Created at Hackthenorth, a web app that uses
Firebase to send realtime phone orientation data
to a VR environment so external users can interact
with VR characters and objects.
- Built with - Express, Firebase, Figma,
JS/Pug/Sass, and Unity.

EduBox github.com/zkirby/EduBox

- Ed Tech **Python Application** that provides a
variety of classroom resources including a
derivative calculator and dictionary web scraper.
- Python, **GTK+3**, matplotlib, Scipy, **Sympy**.

awards

Regents and Chancellor's Scholarship

- The most prestigious scholarship offered by
the University of California to undergraduates.

Accel Investors Scholar

- Provides one on one mentorship and dinners
with industry professionals, guaranteed internship,
and research stipend

experience

Kamusi Frontend Development Intern

Remote • Summer 2017

- Worked with an international team under EPFL
researcher Dr. Martin Benjamin on EatUp team
doing **hybrid mobile** app development.
- Implemented significant features for the Minimum
Viable Product including user authentication
and **i18n/l10n** integration through ngx-translate.
- Improved translation query efficiency by
migrating from MongoDB to **Neo4j** database.

Intuit UX Research Extern

San Diego, CA • Winter 2016

- Utilized **D4D techniques** including broad to
narrow prototyping, user personas, and
user stories.
- Conducted customer interviews and constructed
a **lo-fi prototype** of a proposed redesign for
the Mint team.

Web Design DeCal Head Instructor

Berkeley, CA • 2016 - Current

- Spearheaded a **redesign** of the JavaScript
curriculum to bring it up to industry standards.
- Reached a widespread and diverse audience
with a class consisting of 100+ students (from
a pool of **800+ applicants** per semester).

Cal Hacks Director

Berkeley, CA • 2017 - Current

- Manage logistics and sponsorship for the **largest
collegiate hackathon** in the world with over **2,200**
students in attendance.
- Supervised the website development team and
directly managed the **200+ volunteers** for the event.