Zachary Kirby
Full Stack Developer

zkirby.github.io
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education

University of California, Berkeley
Computer Science and Film
2016 - 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, Neoj4

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.

Personal Site   https://zkirby.github.io
— Live at: https://zkirby.github.io, includes a custom logo.
— HTML, Sass, **jQuery/ JS**, and several plugins such as particles.js and isotope.js

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**, matplotlin, Scipy, **Sympy**

awards

Regents and Chancellor's Scholarship
— The most prestigious scholarship offered by the University of California to undergraduates

Califonia Alumni Leadership Scholarship
— Competitive merit based scholarship awarded for substantial leadership accomplishments

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 MVP including user authentication and **i18n/l10n** integration through ngx-translate
— Improved translation query efficiency by migrating from MongoBD to **Neoj4** database.

Intuit   UX Research Extern
San Diego, CA • Winter 2016
— Utilized **D4D technices** including broad to narrow prototyping, user personas, and user stories.
— Conducted interviews and constructed a **lo-fi prototype** of a proposed redesign for the Mint team.

Web Desgin DeCal   Head Instructor
Berkeley, CA • 2016 – Current
— Spearheaded a **redesgin** 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)

ANova   Curriculum Chair
Berkeley, CA • 2016 – Current
— Drastically improved student satisfaction by increasing **classroom engagment** through repl.it/ project based activities.
— Supervised and edited several **curriculum redesigns** and implementations including Java, Python, and HTML/CSS