

James Schmiechen

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WORK EXPERIENCE

Bakersfield College

Oct. 2018 – Present

Software Engineer Intern

Bakersfield, CA

- Built mobile application that connects disadvantaged groups with local leaders through chat channels, transparentizing upcoming community events, and an extensive address book of local leaders.
 - Working with local leaders has helped hundreds of disadvantaged groups achieve health equity.
- Self-started to completion the implementation of admin web app that provides CRUD operations for users and chat channels as well as the ability to moderate both; includes usage metrics, user history, and graphs.
- Sole creator of secure firebase backend that interfaces with both the mobile and web app, and third-party APIs
- Managed the integration and training of new interns and introduced them to new technologies.

OnStack Software

Sept. 2017 – June 2018

React Developer Intern

Bakersfield, CA

- Created case management software that enabled the use of remote doctors in hospitals using React/GraphQL.
- Implemented CRUD operations for users and cases, facility report generation, the ability to view and upload case documents securely, and the creation of case notes.
- Worked with clients to create wire-frames and mock ups and provided time estimates.

PROJECTS

Custom edge detection algorithm (Python)

Oct. 2018 - Present

- Biologically plausible edge detection modeled after the receptive field of retinal ganglion cells.
- Detects edges in 1920 x 1080 image in 0.56 seconds (Fastest time, N = 1000).

Jfschmiechen.github.io (React.js)

Aug. 2017 - Present

- Uses the Antd design library and React to create a professional and clean user experience.
 - <https://jfschmiechen.github.io/>
- Features responsive design preserving page structure and style in any view port.

Home security system (Node.js)

2016

- Built home invasion alarm using a mouse sensor attached to my front door. When the sensor detected movement, it would send a text message notifying the recipient that the door opened.

EDUCATION

Bakersfield College

May, 2019

Associates (AST), Computer Science

Bakersfield, CA

- Intro to programming I & II; Computer Architecture; Discrete Mathematics
- Participated in 2016 CSUB Hackathon; Shadowed at A3 Concepts
- Joined MESA and volunteered at the LiveSmart fair

San Francisco State University

May, 2021

Bachelors, Computer Science

San Francisco, CA

- Moving to San Francisco in July and attending university in August.

SKILLS & INTERESTS

- **Skills:** *React.js, GraphQL, Node.js, Express, Firebase, Antd, Apollo, Redux, Postgres, Python, Numba, Numpy, HTML, CSS, Javascript, Electron*
- **Interests:** *Furthering knowledge; working with a team; memes; computer vision*