

James Schmiechen

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SKILLS & INTERESTS

- **Skills:** React.js, GraphQL, Node.js, Express, Firebase, Antd, Apollo, Redux, Postgres, Python, Numba, Numpy, HTML, CSS, Javascript, Electron
- **Interests:** Breaking Bad, CRPGs, cooking, computer vision

WORK EXPERIENCE

Bakersfield College

2018 – 2019

Software Engineer

Bakersfield, CA

- Built mobile application using Java that connects disadvantaged groups with local leaders through chat channels, transparentizing upcoming community events, and an extensive address book of local leaders.
- Self-started to completion the implementation of a React 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

2017 – 2018

React Developer

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

Jfschmiechen.github.io (React.js)

2017 - Present

- Uses the Antd design library and React to create a professional and clean user experience.
- Features responsive design preserving page structure and style in any view port.
- Implements google analytics to track usage metrics.

Custom edge detection algorithm (Python)

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).

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

2019

Associates (AST), Computer Science

Bakersfield, CA

- Intro to programming I & II; Computer Architecture; Discrete Mathematics
- Used C++ to create roster management program, utilizing linked lists to provide efficient CRUD operations for players within a roster.
- Participated in 2016 CSUB Hackathon; Shadowed at A3 Concepts

San Francisco State University

2021

Bachelors, Computer Science

San Francisco, CA

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