

# James Schmiechen | Full Stack Software Engineer, Intern

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- **Languages:** React, Node, Javascript, Java, Python, SQL
- **Tools:** Git, Redux, GraphQL, Electron, Numba, Numpy, Express, Firebase, Apollo
- **Other:** HTML, CSS, SASS, Agile, Slack

## WORK EXPERIENCE

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### Bakersfield College

2018 – 2019

*Software Engineer*

*Bakersfield, CA*

- Utilized React, Firebase, and Google Analytics to construct a CMS providing comprehensive usage metrics, user management, and automated chat moderation in a user-friendly way.
- Self-started to completion a secure firebase API that interfaces with both third-party APIs and the app itself.
- Worked with back end engineer to develop non-relational database schemas in order to provide an efficient framework to store and access large amounts of data.
- Lead Jr. developers to learn the ins and outs of web application development, contribute on a real-world project, and provide insight on technical choices.

### OnStack Software

2017 – 2018

*React Developer*

*Bakersfield, CA*

- Implemented Redux with React to construct a rich and dynamic case management system, using Redux's predictable state container and React's reusable components to slash case processing performance by 50%.
- Built API using Express and GraphQL to distribute cases and users, utilizing GraphQL's typed schema and optimized queries to efficiently propagate data to the front end and maintain HIPAA compliance.
- Discussed project viability, mock ups, and time estimates with clients.

## PERSONAL PROJECTS

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### React Event Calendar (React) <https://github.com/JFschmiechen/React-Event-Calendar>

2019

- Used MaterialUI and React to develop a modern, configurable, and modular event-based calendar component.
- Dynamically scales to fit any viewport as well as any space on a web page with a unique mobile view.
- Downloaded and used in over 350+ projects a week.

### Custom Edge Detection Algorithm (Python)

2018 – Present

- Used Python to create edge detection algorithm 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) <https://github.com/JFschmiechen/JFschmiechen.github.io>

2017 – Present

- Uses the Ant 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.

## EDUCATION

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### San Francisco State University

Expected 2021

*Bachelors, Computer Science*

*San Francisco, CA*

### Bakersfield College

2019

*Associates, Computer Science*

*Bakersfield, CA*

- Programming Concepts and Methodologies I & II | Discrete Mathematics | Computer Architecture
- Participated in 2016 CSUB Hackathon