James Schmiechen

jfschmiechen@gmail.com | (661) 546-3979 | California | jfschmiechen.github.io

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

WORK EXPERIENCE

Bakersfield College   2018 – 2019
Software Engineer   *Bakersfield, CA*
- Used Java to create a health equity platform, utilizing Java's cross compatibility and open source libraries to improve health equity for thousands of disadvantaged minorities.
- Utilized React, Firebase, and Google Analytics to construct a CMS providing comprehensive usage metrics, user management, and automated chat moderation.
- Self-started to completion a secure firebase API that interfaces with both third-party APIs and the app itself.
- Lead Jr. developers to learn the ins and outs of coding and contribute on a real-world project.

OnStack Software   2017 – 2018
React Developer   *Bakersfield, CA*
- Implemented Redux with React to construct a case management system, using Redux's predictable state container and React's reusable components to slash case processing time 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

React Event Calendar (React.js)   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.js)   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

San Francisco State University   **Expected 2021**
Bachelors, Computer Science   *San Francisco, CA*
Bakersfield College   **2019**
Associates, Computer Science   *Bakersfield, CA*