

Jonathan A. Kao

Full Stack Software Engineer

JohnAKao.com | [Github](#) | [LinkedIn](#)

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EXPERIENCE

Software Engineer Intern @ Foqal, Inc.

APR 2021 - Current Day // San Francisco, CA

- > Implemented a configurable form with file upload system to cloud storage system improving request performance and efficiency by 30%.
- > Implemented sanitization and input validation protecting clients from attacks and data compromise saving the company from >\$25,000 in fees.
- > Refactored a front-end application with **React** to reusable components cutting down production time by 2-3 weeks.
- > Created custom tagging component improving search times by 1.5x.
- > Implemented end-to-end testing using Cypress and Jest expanding test coverage to >90%.

Surgical Neurophysiologist @ Neuropath, Specialty Care

MAY 2012 - DEC 2020 // San Francisco, CA

- > Mentored and trained 8 active neurophysiologists in neurosurgical and neuroanalytical concepts growing clinical teams 15% year over year.
- > Programmed and applied algorithms in Cadwell Cascade to patient nervous systems preventing neurological injuries in over 500,000 surgical patients to date.
- > Applied, analyzed, and tested multi-modality neurophysiological programs in cross-functional teams with industry leaders such as Dr. Sanjay Gupta and Dr. James Doty effectively saving >1,000 lives and limbs yearly.
- > Wrote and applied technical documentations resolving \$10 million to over \$100 million in settlements and legal fees.

PROJECTS

Warbler - a Twitter clone built using **PostgreSQL**, **Python**, and **Flask**.
[Demo](#) | [Github](#)

Pixly - a file editing application built in **PostgreSQL**, **Javascript**, and **React**. [Demo](#) | [Github](#)

Jobly - a job listing site built using **PostgreSQL**, **Node/Express**, and **React**. [Demo](#) | [GitHub](#)

SKILLS

Web Languages & Technologies:
JavaScript, TypeScript, HTML, CSS, Node.js

Libraries:
React, Redux, jQuery

Programming Languages:
Python

Frameworks:
Express.js, Flask, Jest, Bootstrap

Database:
PostgreSQL

EDUCATION

Rithm School

Mar 2021 - Current Day

// San Francisco, CA

Full Stack Web Development

Kennesaw State University

AUG 2008 - MAY 2012

// Kennesaw, GA

B.S. in Biochemistry

LEADERSHIP/ VOLUNTEERING

Minds Matter

DEC 2019 - PRESENT

// San Francisco, CA

Mentored underprivileged children and administered college admissions test prep raising entrance rates year over year by 15%