

Kat Gao

Software Engineer | Seattle, WA (Open to Remote) | (415) 716-7722 | katg726@gmail.com
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TECHNICAL SKILLS

Front End | JavaScript, Typescript, jQuery, React, HTML5, CSS3, Bootstrap, Chakra UI, Tailwind, Redux, React Native, Next.js

Back End | Node.js, Express, MongoDB, MySQL, PostgreSQL, RESTful API Development, Firebase, Python

Testing/Deployment | Jest, Mocha, Chai, AWS: EC2, Loaderio, Nginx, React Testing Library, Heroku, K6, Docker

Developer Tools | Vim, Git, npm, Webpack, Babel, Agile Methodology, Scrum, TDD, Figma

PROFESSIONAL EXPERIENCE

Software Engineering Immersive Resident | Hack Reactor 2022 - Present

- Mentored 80+ bootcamp students in programming fundamentals, data structures/algorithms, and modern web development technology, troubleshoot and debugged students' code, and provided junior software engineers with constructive feedback and technical workshops
- Created and developed google sheets scripts that automate the transfer of data to enhance team and department productivity.

Research Assistant | Schindler Iterative Translation Lab 2021 - 2022

- Assisted in data processing for training of machine learning algorithm through Python and SKLearn
- Generated training data sets by identifying and adjusting rostral-caudal axis for rodent brain scan images on Visiopharm

Clinical Laboratory Technician | Harborview Medical Center 2021 - 2022

- Performed up to 50 venipuncture procedures a day and obtain blood samples for medical testing in both inpatient and outpatient settings, log specimens, centrifuge and aliquot appropriate specimen for testing

SOFTWARE ENGINEERING PROJECTS

Back End Engineer | Products Microservice | <https://github.com/SDC-NightWing/FreshThreadz-Products>

RESTful products microservice api for ecommerce site

- Utilized NGINX reverse proxy for load balancing and caching to increase sustainable load, improving throughput performance by 650% while maintaining low latency of 60 ms and 0% error rate in load testing
- Optimized postgresQL database queries with aggregate functions and indexing, reducing query speed from 540 ms to 6 ms.

Full Stack Engineer | Libre | <https://github.com/Blue-Ocean-3-Bowser/libre>

An all-in-one social app that allows users to find mutual free time with friends and plan events

- Integrated Google Authentication and allowed users to import their google calendar via Google Calendar API
- Implemented a calendar using FullCalendar.io with day, week and month view.
- Designed and implemented the overall UI interactions via wireframes and Figma

Full Stack Engineer | Whiskrr | <https://github.com/katto030/rfp2207-foster-tracker>

A journaling app for keeping track of everything about your foster animals

- Built application that allows users to track foster information using React and Bootstrap for a responsive and intuitive user experience
- Integrated with Express and MongoDB to store and retrieve foster data, such as weight, behaviors and appetite

Front End Engineer | Fresh Threadz | <https://github.com/FEC-Boy-Meets-World/rfp2207-fec>

Product detail page for an ecommerce site

- Implemented image carousels, product cards and modals to allow users to cycle through products and information using React, CSS, and HTML
- Improved Google lighthouse score from 30 to 90 by using Webpack bundle configurations, tree-shaking and lazy-loading.

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate

University of Washington | Psychology, B.A

- Dean's List; GPA: 3.76

