

# ALBERT KIM

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I'm a software engineer and a graduate of App Academy, a rigorous 1000+ hours full-stack web development program, during which I learned JavaScript, Node.js, React, Redux, PostgreSQL, Ruby, and Ruby on Rails. I'm looking for an enthusiastic, mission-driven engineering team that will allow me to use the full range of my current abilities and help me learn new skills and stacks as I continue to grow as a software engineer. Ideally, I would like to use my acquired skills to tackle and solve real-world problems.

## SKILLS

**JavaScript, Node.js, React, Redux, HTML, CSS, SCSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Express.js, SQL, SQLite3, GitHub, Git, PostgreSQL, Webpack, Npm, jQuery, AJAX, Heroku, Test-Driven Development (TDD), Object-Oriented Programming (OOP)**

## PROJECTS

**WEbook** (JavaScript, ReactJS, Redux, Ruby on Rails, Heroku)

[live](#) | [github](#)

*A Facebook clone built with JavaScript, React, Redux, and Ruby on Rails*

- Implemented core CRUD functionalities through reusable ReactJS components to provide intuitive user interface and user experience when creating, displaying, updating, and deleting user profile, friends, posts, comments, and likes
- Applied Ruby on Rails polymorphic associations to likes table for posts and comments to promote DRY readable code and Rails dependent option to remove all associated objects when a parent post is destroyed to optimize database storage
- Incorporated Amazon Web Services S3 data storage infrastructure to store and retrieve image files for user profile picture

**Movie Fridays** (MongoDB, ExpressJS, NodeJS, React)

[live](#) | [github](#)

*A MERN stack project which allows users to create groups where people can join to rate movies together*

- Constructed RESTful API between client and MongoDB server to allow a consistent and responsive client-server interaction
- Employed GitHub version control system to effectively communicate and collaborate with teammates for efficient workflow
- Revised team members' ReactJS components to debug frontend issues and conflicts, allowing product to render smoothly

**Keyboard-Tiles** (Vanilla JS, CSS, HTML)

[live](#) | [github](#)

*A Vanilla JS typing game inspired by Piano Tiles*

- Leveraged JavaScript's asynchronicity to create an interactive game via DOM manipulations, event handlers and listeners
- Utilized the requestAnimationFrame method to recursively call the game loop for a stable and lag-free user experience
- Integrated Web Audio API to provide audio sound effects when the keys are sequentially and appropriately pressed

## EXPERIENCE

**ASCAP: International Affairs, New York**

*Research Analyst*

June 2019 - June 2021

- Improved hard fact tracking capabilities to ensure effective capture of all revenue claims from international counterparts
- Developed new tracking analytics and research tools which increased company revenue by approximately \$500K since 2020

**University at Buffalo: Department of Sociology, New York**

*Teaching Assistant*

Aug 2017 - May 2019

- Prepared all materials for various courses and evaluated students' exams and assignments based on a reliable criterion
- Engaged with students to achieve better results by mentoring and providing materials to refer to while studying for exams

## EDUCATION

**Web Development** - App Academy

Nov 2021

*Immersive software engineering course with a focus on full-stack web development, which entailed 1000+ hours of coding*

**Master's Degree • Sociology** - University at Buffalo (SUNY)

May 2019

**Bachelor's Degree • Sociology** - Chung-Ang University

Feb 2017