

JOSHUA DUONG

joshduo@outlook.com | linkedin.com/in/joshua-duong | github.com/joshduo | joshduo.github.io

SKILLS

Programming Languages: Ruby, JavaScript, TypeScript, HTML, CSS, SQL, Java

Frameworks, Libraries, Tools: Ruby on Rails, React, Node.js, Bootstrap

EXPERIENCE

AppFolio

Software Engineer II, Full Stack

Mar 2024 - Present

- Design scalable and robust web-based solutions to screen millions of tenants per year accurately in an Agile team using **Ruby on Rails, MySQL, JavaScript, TypeScript, React, HTML**, and **CSS**
- Implement and help coordinate changes across apps to support the rollout of a supplemental screening product that gives customers better information on their applicants
- Integrate new address API into screening flow to support customers' compliance with credit history laws
- Design and develop bundled screening solution combining multiple products to drive revenue and adoption and better serve customer needs
- Improve record filtering and visibility therein to increase productivity of public records review team

Software Engineer, Full Stack

Nov 2021 - Mar 2024

- Monitored and updated the automated criminal/eviction record reviewing engine to stay legally compliant, improve observability and performance, and maintain maximum possible data accuracy
- Enhanced the platform and workflow for manual review of criminal and eviction records to increase usability and screening report throughput
- Validated and utilized a third-party API to help refine our address matching logic, raising accuracy and manual review capacity

University of California San Diego

Computer Science Tutor; CSE 8A, 11, 12, 100

Mar 2020 – Sep 2021

- Assisted 100+ students with comprehension and implementation of data structures and OOP concepts in **Java/Python/C++**, successfully resolving >90% of taken student support tickets
- Analyzed, debugged, and graded students' code, giving detailed feedback on style and correctness to help facilitate improvement

PROJECTS

GoodPostureBot, JavaScript

Aug 2020 – Sep 2020

github.com/joshduo/GoodPostureBot

- Wrote a Twitch.tv chat bot in **Node.js** to remind viewers to fix their posture on a timed interval

FaceNook, JavaScript, HTML, CSS

Mar 2020 – Jun 2020

- Created a social media web app centered around the Nintendo franchise Animal Crossing using **React**, **Node.js**, **Express.js**, and **Firebase**
- Senior System Analyst and developer in a 10-student Agile-style team
- Coordinated and completed use cases and user stories to outline the intended purpose and functionality of our project
- Developed user profile page and database and frontend for friendships between users

EDUCATION

University of California San Diego

Sep 2018 - Sep 2021

B.S. in Computer Science, Minor in Cognitive Science, 3.73 GPA