

PROGRAMMING SKILLS

- **Languages and Frameworks:** Java, JavaScript, React.js, Node.js, GraphQL, Python, SQL.
- **Skills:** Full Stack Web Development, Relational Database Management (PostgreSQL, NoSQL), Data Science
- **Tools:** Git/Github, Docker, Amazon Web Services, Prisma, LaTeX

PROFESSIONAL EXPERIENCE

- **AdaptivApps** Remote
Full Stack Developer *February 2020 – July 2020*
 - Built responsive and fully accessible web applications in Javascript and React.js following AGILE and Waterfall methodologies
 - Designed and built REST APIs using Node.js and GraphQL APIs using Prisma and Apollo
 - Processed data through algorithms to increase front end performance by more than 50%
 - Deployed web applications through AWS, implemented Auth0 for authentication and Google Analytics for user analysis, executed unit testing to inspect various web components
- **Xspace Learning** Vancouver, Canada/Beijing, China
Teacher Facilitator *August 2018 – June 2019*
 - Served as math instructor for students at Second High School Attached to Beijing Normal University
 - Delivered planned course curriculum and created personal learning plans for students, increased students marks by 8% on average
 - Led school's Computer Science Club and delivered lectures on cryptography topics
- **University of California, San Diego** La Jolla, CA
Resident Assistant @ Warren College *August 2015 – June 2017*
 - Oversaw campus residents' well-being and addressed inter-personal conflicts
 - Organized and led campus programs and events that promoted cultural awareness and were attended by more than 400 people
 - Planned and executed social and educational events for campus residents

PERSONAL PROJECTS

- **Rent Tracker - Deployed Link**
 - Full stack web application for users to track their rental properties and rental payment collections
 - Solely responsible for building the project's backend using GraphQL/Prisma/Apollo, and frontend using React
 - Incorporated Google Map API to automatically generate locations of properties
- **Pathfinding Visualizer - Deployed Link**
 - React application for visualizing pathfinding algorithms and maze-generation algorithms
 - Solely responsible for the project, designed and implemented animation effects using CSS animate
 - Built custom React hooks and created customized modal components for the project
- **Housing Price Predictor Model - Github Repo**
 - Constructed a machine learning model using Python to predict real estate prices using real world data
 - Used advanced machine learning techniques through Xgboost and TensorFlow to increase model accuracy by 30%
 - Implemented data cleaning techniques and generated data visualization sets using Python libraries

EDUCATION AND TRAINING

- **Lambda School** Remote
Full Stack Web Development & Computer Science *September 2019 - February 2020*
 - **Curriculum:** Full stack web development; HTML/CSS, Javascript, ReactJS/NodeJS
- **University of California, San Diego** La Jolla, CA
Bachelor of Science in Applied Mathematics *June 2018*
 - **Courses:** Linear Algebra, Mathematical Statistics, Probability Theory, Object Oriented Programming