

EDUCATION AND TRAINING

- **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
- **Lambda School** San Diego, CA
Full stack web developer curriculum Present

PROGRAMMING SKILLS

- **Languages:** Java, Vanilla Javascript, React.js, Node.js, GraphQL.js, Python, SQL.
- **Skills:** Full Stack Web Development, PostgreSQL, Machine Learning, Data Science
- **Tools:** Git, Docker, AWS, Prisma, TensorFlow.

EXPERIENCE

- **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 customized learning plans for students
 - 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
 - Planned and executed social and educational events for campus residents

PROJECTS

- **AdaptivApps**
 - Designed responsive web application for Angel City Sports, a LA-based non profit organization that hosts athletic events for children with disabilities following AGILE methodology
 - App features include event calendar, events and activities registration, inter-user messaging, and user management
 - Frontend features React.js and Apollo Client, backend features GraphQL and Prisma database
 - Deployed through AWS, implemented Auth0 for authentication and Google Analytics for user analysis
- **Rent Tracker**
 - Developed a web application for users to track their rental properties and rental payment collections
 - Features GraphQL, Express, and JWT authentication on backend
- **Pathfinding Visualizer**
 - Built React application for visualizing pathfinding algorithms and maze-generation algorithms
 - Designed animation effects using CSS animate
- **Housing Price Predictor Model**
 - Constructed a machine learning model using Python to predict house prices
 - Used advanced machine learning techniques through Xgboost and TensorFlow to increase model accuracy by 30%
 - Generated data visualization sets using Python libraries