Robin Nguyen

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EDUCATION

University of California, San Diego Sep 2019 - Mar 2022
B.S. Mathematics-Computer Science San Diego, CA

PERSONAL PROJECTS

The Boba Realm May 2022 - Aug 2022

- Dynamic web application for users to traverse a hierarchical structure of boba shops determined by crowd sourced reviews on boba beverages.
- Designed, developed, and deployed application with full CRUD functionality (reviews, photos, and user profile), JWT authentication, relational database, and N-Tier/MVC architecture.
- **Technologies**: React, Django, AWS, Google Maps API, Restful API, Git, Webflow

Pathfinding Visualizer Feb 2022 - Apr 2022

- Implemented complex graph theory algorithms displayed on a 2x2 grid. Algorithms include search algorithms like BFS, DFS, A*, and Dijkstra's along with two random maze generating algorithms, DFS and Kruskal's.
- Utilized React for development and Google Cloud Platform for deployment.
- **Technologies**: React, Google Cloud Platform

Heartbaker Recipe Planner Sep 2022 - Dec 2022

- School project where we created a fully functioning recipe application in 10 weeks by splitting tasks between 11 team members and engineering a product with only Javascript, HTML, and CSS.
- Expedited development time by utilizing agile methodologies and as a result, achieved a complete product in 50% of the expected time.
- **Technologies**: Javascript, HTML, CSS, Spoonacular API

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, C++, Java, SQL, HTML, CSS
- **Frameworks:** Django, React, NodeJS
- **Other Technologies:** MySQL, Amazon Web Services (AWS), Git, Docker, Webflow

WORK EXPERIENCE

Computer Science/Mathematics Tutor Aug 2018 – May 2019
MESA at Cosumnes River College Sacramento, CA

- Assisted several students in overcoming failing grades in Calculus 3 by leading study sessions and encouraging them to persist during exam season which resulted in 100% of them passing.
- Facilitated conceptualization of data structures, object oriented, and algorithmic principles for disciples with group study sessions leading to everyone gaining a strong understanding of Computer Science concepts.