Antony Ni

502-533-5654 | ni96@purdue.edu | antonyni.com | linkedin.com/in/antony-ni | github.com/niantony

EDUCATION

Purdue University — **West Lafayette, IN**
Bachelor of Science, Computer Science — *Aug. 2020 – May 2024*
- **Select Coursework:** Analysis of Algorithms, Computer Architecture, Data Structures and Algorithms, iOS Development, Object-Oriented Programming, Programming in C, Software Engineering, Systems Programming

EXPERIENCE

Ford Motor Company — **Dearborn, MI**
Software Engineer Intern — *June 2023 – Aug. 2023*
- Developed rapid replenishment center enhancements on the Supply Chain IT team, resulting in a significant reduction in Ford Model E vehicle transit time from 6 months to 5 days for over 1000 dealerships
- Utilized Java and SQL to maintain an accurate list of previous dealer codes and to facilitate timely route adjustments during re-invoicing, enhancing vehicle transport visibility and precision in estimated time of arrivals
- Employed jQuery and JavaScript to develop an intuitive front-facing web application for carrier management, streamlining and enhancing the management process of over 100 carriers

Software Engineer Intern — *May 2022 – Aug. 2022*
- Designed and developed a comprehensive full-stack web application on the Web Based Dealer Ordering team to simplify and streamline the vehicle ordering process for over 3000 Ford and Lincoln dealerships
- Leveraged Angular (TypeScript) and Spring Boot (Java) to seamlessly execute CRUD operations on a MySQL database, effectively storing and managing dealers' vehicle order preferences
- Automated the deployment process using Tekton Pipeline, a continuous integration pipeline, to build frontend and backend services into a deployable state, reducing deployment time by 70%

Mission: Mentor — **Cambridge, MA**
Software Engineer Intern — *Aug. 2021 – Dec. 2021*
- Developed a full-stack application using the PERN (PostgreSQL, Express.js, React.js, Node.js) stack to assist over 200 high school students in the college admissions process
- Leveraged React.js to create a seamless and responsive user experience on the landing page, user dashboard, scholarships, and summer programs pages, resulting in a 25% increase in user retention
- Implemented a recommendation algorithm to provide scholarship and summer program recommendations tailored to each student's profile

Purdue Hack the Future — **West Lafayette, IN**
Backend Developer — *Sep. 2020 – Jan. 2021*
- Worked in an Agile environment to build a web application using the MERN stack for NICHES Land Trust to display and store information about various parks and their respective landmarks and trails
- Integrated geolocation services to guide users through park trails and hikes with interactive landmarks and waypoints, resulting in a 60% increase in user engagement
- Took charge of the backend server by utilizing Express.js and Node.js for server-side development and creating a database with interconnected schemas and models using MongoDB to build a RESTful API

PROJECTS

RateMyPortfolio — **ratemyportfolio.us**
JavaScript, Firebase, Next.js — *June 2021 – Aug. 2021*
- Developed a full-stack web application allowing users to create investment portfolios consisting of securities and rate other user's portfolios
- Leveraged Firebase Firestore to create a highly scalable database storing user and investment portfolio data to be displayed on authenticated and public routes respectively
- Implemented a robust and secure authentication system enabling users to securely sign up and log in, granting them access to user-authenticated routes

TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, Python, Swift, TypeScript
Technologies: Angular, Express.js, jQuery, MongoDB, Node.js, PostgreSQL, React.js, Spring Boot, SQL, Tekton