

Antony Ni

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EDUCATION

Purdue University

Bachelor of Science, Computer Science

West Lafayette, IN

Aug 2020 – May 2024

Select Coursework: Computer Architecture, Data Structures and Algorithms, Discrete Mathematics, Multivariable Calculus, Object-Oriented Programming, Programming in C

TECHNICAL EXPERIENCE

Ford Motor Company

Software Engineer Intern

Dearborn, MI (Remote)

May 2022 – Present

- Working on the Web Based Dealer Ordering team to develop a full-stack application, allowing over 3,000 dealerships in North America to save their vehicle order preferences
- Utilizing TypeScript and Angular to develop a user interface to save dealership input and creating rigorous unit tests with Jasmine and Karma
- Creating a backend server with a RESTful API, handling CRUD functions using Java and Spring Boot alongside a SQL database

Mission: Mentor

Software Engineer Intern

Cambridge, MA (Remote)

Aug 2021 – Dec 2021

- Developed a full-stack web application using the PERN (PostgreSQL, Express.js, React.js, Node.js) stack to assist high school students in the college admissions process
- Leveraged React.js to create a seamless and responsive user experience (landing page, user dashboard, scholarships and summer programs pages)
- Implemented a recommendation algorithm to suggest scholarships and summer programs based on the current user's background, academic profile, and interests

Purdue Hack the Future

Backend Developer

West Lafayette, IN

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
- Incorporated geolocation services to guide users on park trails/hikes using interactive landmarks and waypoints
- 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

PERSONAL PROJECTS

RateMyPortfolio

Firebase, Next.js, Node.js

ratemyportfolio.us

Jun 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
- Integrated an authentication system where users can sign up and login securely to access user authenticated routes

SKILLS & INTERESTS

Programming Languages: C, Java, JavaScript, Python, TypeScript

Technologies: Angular, Express.js, Firebase, MongoDB, Node.js, PostgreSQL, React.js, Spring Boot, SQL, Tekton

Interests: Weightlifting, cooking without a recipe, poker, personal finance, stock market, hiking