

# Antony Ni

502-533-5654 | [ni96@purdue.edu](mailto:ni96@purdue.edu) | [antonymni.com](http://antonymni.com) | [linkedin.com/in/antony-ni](https://linkedin.com/in/antony-ni) | [github.com/niantony](https://github.com/niantony)

## EDUCATION

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### 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, Discrete Mathematics, iOS Development, Multivariable Calculus, Object-Oriented Programming, Programming in C, Software Engineering, Systems Programming

## EXPERIENCE

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### Ford Motor Company

Dearborn, MI

*Software Engineer Intern*

*June 2023 – Present*

- Developing route plans on the Supply Chain IT team for completed vehicle deliveries when a re-invoicing occurs using Java, Spring Boot, and SQL

### Ford Motor Company

Dearborn, MI

*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 scholarships and summer programs 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

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### RateMyPortfolio

[ratemyportfolio.us](https://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

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**Languages:** C, C++, Java, JavaScript, Python, Swift, TypeScript

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