

# Antony Ni

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## EDUCATION

### Purdue University

*Bachelor of Science, Computer Science*

**West Lafayette, IN**

*Aug 2020 – May 2024*

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

## TECHNICAL EXPERIENCE

### Mission: Mentor

*Software Engineer Intern*

**Cambridge, MA (Remote)**

*Aug 2021 – Present*

- Developing 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
- Implementing a recommendation algorithm to suggest scholarships and summer programs based on the current user's background, academic profile, and interests
- Leveraging PostgreSQL to create an efficient, scalable database and creating RESTful API endpoints with Express.js
- Utilizing AWS Cognito to employ a secure user directory, allowing users to sign up, log in, and view personalized routes

### Purdue Hack the Future

*Backend Developer*

**West Lafayette, IN**

*Sept 2020 – Jan 2021*

- Worked in an Agile Development environment to build a web application using the MERN stack for NICHES Land Trust organization 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 scalable database with interconnected schemas and models using MongoDB to build a RESTful API
- Presented any issues/bugs with potential solutions and expressed my ideas in stand-ups occurring several days per week.

## 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
- Employed the Next.js framework for structured conditional rendering, search engine optimization efficiency, and seamless page navigation

## SKILLS & INTERESTS

**Programming Languages:** Java, Javascript, Typescript, C, Python

**Technologies:** Git, HTML, CSS, React.js, Next.js, Firebase, MongoDB, Express.js, Node.js, SQL, PostgreSQL

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