

# Antony Ni

West Lafayette, IN | (502) 533-5654 | [ni96@purdue.edu](mailto:ni96@purdue.edu)

<https://github.com/niantony> | <https://antonyni.com> | <https://www.linkedin.com/in/antony-ni-b88091197/>

## EDUCATION

### Purdue University

West Lafayette, IN

Bachelor of Science, Computer Science

Aug 2020 – May 2024

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

## TECHNICAL EXPERIENCE

### Mission: Mentor

Cambridge, MA (Remote)

Software Engineer Intern

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
- Utilized AWS Cognito to employ a secure user directory, allowing users to sign up, log in, and view personalized routes

### Purdue Hack the Future

West Lafayette, IN

Backend Developer

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

[ratemyportfolio.us](https://ratemyportfolio.us)

Firebase, Next.js, Node.js

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, C, Python

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

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