

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

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

Website Product Monitor

Python, Discord.py

Aug 2021

- Created a product monitor for retail websites (currently supporting BestBuy) using Python to scrape product details and to monitor product availability
- Monitors a range of products from a select website by inserting the desired product ids/skus into the application
- Notifies the user of a product restock with Discord.py, through Discord webhooks where the user can add the product directly to cart using an API endpoint
- Incorporates proxy handling, an optional function allowing users to assign a range of proxies to monitor products

SKILLS & INTERESTS

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

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

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