

# Antony Ni

Software Developer

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## Education

B.S. Computer Science | University of Illinois, Chicago  
Biomedical Engineering | Duke University, Durham

## Technical Proficiencies

- Languages & Frameworks:** Java, Spring, Node.js, JavaScript, React, Next.js, Python, SQL
- Tools:** GitHub, Docker, Microservices, MongoDB, MySQL, JUnit, Agile, AWS, Tailwind
- Certifications:** AWS Certified Cloud Practitioner, Certified ScrumMaster (Scrum Alliance)

## Work Experience

### Junior Application Developer, Code Differently, LLC - Wilmington, DE

October 2023 – Present

- Responsible for creating the help desk and internal ticketing system of the CRM while maintaining budget constraints.
- Implemented the automation and workflow the pipeline while writing and maintaining technical documentation for its use.

### Software Developer Intern, Code Society v23.1 - Code Differently, LLC - Wilmington, DE May 2023 – October 2023

- Participated in 700+ hours of full-stack software development training, focusing on gaining proficiency in JavaScript and Java fundamental concepts, DOM manipulation, asynchronous operations, SPA, Java Web Frameworks, etc.
- Worked with various frameworks, libraries, and tools including React, Node.js, and Spring.
- Deepened understanding of API interactions, deployment strategies, and performance optimization through application development with databases and web services.
- Created UML diagrams for system design and practiced thorough unit-testing and test-driven development (TDD).

### Customer Associate, Sakura Japanese Restaurant – Wilmington, DE

2019 – 2023

- Revamped online menus and enhanced user experience, resulting in an increase in customer engagement and online orders.

## Projects

### CD Bank APIs

- Developed a RESTful API for facilitating account management, deposits, and withdrawals using Java and Spring.
- Prioritized SOLID principles, CRUD operations, and object-oriented programming.
- Structured development with sequence diagrams, Spring Data JPA repositories, and comprehensive JUnit testing.
- Collaborated in a small team with AGILE methodologies.

### Custom Clocks - [customclocks.vercel.app](https://customclocks.vercel.app)

- Created various analog and digital clocks to track time in distinct styles with custom animations and transitions.
- Added a custom Mario-themed clock by utilizing Canvas to draw and animate the seconds and time changes
- Deployed on Vercel with Next.js and uses React with correct prop handling.
- Added idle detection to improve the user experience

### Portfolio Website - [antonyni.dev](http://antonyni.dev)

- Utilized Email.js JavaScript API to create a secure, interactive contact form with opt-in confirmation alerts.
- Developed a web portfolio with React & Tailwind, featuring an intuitive light/dark mode and a navigation bar.
- Applied responsive design principles and optimized website performance by utilizing server-side rendering.

### Tetris (Node.js)

- Used the Blessed GUI library to develop Tetris with Node.js for the server for handling keyboard input
- Designed game logic to mirror Tetris and added unit tests to ensure functionality would not break

### Online Restaurant App

- Built a full-stack restaurant website for online orders using Next.js, Material UI, and MongoDB.
- Optimized for server-side rendering and deployed on Vercel with API caching.