

# Peter Yao

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## EDUCATION

**University of North Carolina at Chapel Hill** | Chapel Hill, NC

*August 2020 - Present*

- B.S. in Computer Science and B.S. in Mathematics, expected May 2024
- Current GPA: 3.97
- Completed coursework: Data Structures and Analysis, Algorithms and Analysis, Systems Fundamentals, Computer Organization, Modern Web Programming, Models of Languages and Computation, Linear Algebra, Discrete Structures, Multivariable Calculus

**Chapel Hill High School** | Chapel Hill, NC

*August 2016 - June 2020*

- GPA (unweighted): 4.0, ranked 2<sup>nd</sup> in a class of 393 students

## WORK EXPERIENCE

**MetLife** | Software Application Development Intern | Cary, NC

*May 2022 - September 2022*

- Developed, debugged, and tested a Java-based account validation application in an Agile setting
- Migrated development toolstack from Atlassian to Azure DevOps—including all code repos, work items, and CI/CD pipelines—completing a task that had been delayed since the winter
- Led the implementation of Liquibase for the application's CI/CD pipeline, removing the need to submit time-consuming DDL and DML tickets for database changes
- Worked with DBAs to implement and review urgent changes in an Oracle SQL database, including the dropping of unneeded tables and adjustment of columns in existing tables

**Mr Tokyo Japanese Restaurant** | Web Developer | Chapel Hill, NC

*May 2022 - Present*

- Developing a food-ordering web app for a Sushi restaurant using React.js for the front-end and Firebase for the back-end, automating the ordering process

**Queen of Pho** | Waiter | Chapel Hill, NC

*February 2019 - December 2019*

- Courteously served customers and trained three new employees

## PERSONAL PROJECTS

**Thicc Snake** | [HackNC 2021 Entertainment Track Winner](#)

- Developed a simple but colorful game where the player holds down the mouse button to widen a snake's thickness, as the snake moves through a map collecting tokens and avoiding obstacles
- Used Python and Pygame, as well as Piskel and Affinity Designer for sprites

**Find-Your-Fit** | [MapHacks 2021 Project](#)

- Led a team of three in building a web app that finds fitness partners based on geographic location
- Used React.js, HTML, and CSS for the frontend, MySQL and Express.js for the backend, and Axios and the Google Geocoding API for HTTP requests and geolocation

**Games-To-Books** | [HackDuke 2020 Project](#)

- Worked in a group of four to develop a Python program which, given user input of preferred video games, generates a corresponding list of recommended books
- Designed the GUI with Qt for Python, and implemented the web scraper with Selenium

## SKILLS

**Programming languages:** Java, Python, SQL, JavaScript, HTML/CSS, C

**Frameworks and tools:** Agile, Azure DevOps, Figma, Firebase, Git, GitHub, Maven, PuTTY, React.js

**Other:** Bilingual in English and Mandarin Chinese, excellent communication, strong leadership

## INTERESTS

Artificial Intelligence • Automation • Geography • History • Grappling • Fishing • Writing • Meditation