

# Thomas Barry

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[Github](#)

## **SUMMARY:**

Carolina Covenant Scholar with advanced background in Computer Science and Mathematics. I'm a hard-working student and a voracious learner. I love solving challenging coding problems and finding optimal, efficient solutions. My goal for summer 2023 is to work with and learn from an experienced team of coders, and contribute to amazing projects.

## **EDUCATION:**

**University of North Carolina at Chapel Hill** (9/2019 – 5/2024)

- Received prestigious Carolina Scholarship awarded to the top incoming freshmen, covering full cost of attendance, as well as supplemental programs. (3.4 GPA)

## **RELEVANT COURSE WORK:**

- |                               |                                   |
|-------------------------------|-----------------------------------|
| • Object Oriented Programming | • Microcomputers                  |
| • Mathematical Analysis       | • Modern Web Programming          |
| • Computer Organization       | • Intro to Information Technology |
| • Analysis of Data Structures | • Discrete Structure              |

## **WORK EXPERIENCE:**

**Wyzant** (10/2021 – Present)

- Created a private programming account on Wyzant for teaching Java, HTML, and CSS
- Received an average of 4.9 stars out of 133 ratings
- Tutored students in Java programming, helping them complete assignments and better understand key concepts from recursion, to complex data structures, to JavaFX and Swing.

## **PROJECTS**

- Developed a custom responsive portfolio website hosted on GitHub (in development)
  - Included CSS animations, multiple pages, and downloadable pdf
- Built a Java GUI application for a TicTacToe game, a Connect4 game, and Othello
  - Designed responsive and playable versions of these popular games
- Personal Project finance project (in development)
  - Developed scalable project with the ultimate goal of building a website tool
  - Thoroughly documented code and tested with 100% code coverage.
- Cyber-Security Hackathon
  - Handled building informational website with bootstrap and Javascript in team of 2

## **ACTIVITIES AND TUTORING:**

**Gap Year** (05/2021 – Present)

- Taught myself HTML and CSS independently of my academic institution
- Currently refreshing Java knowledge by reviewing and recreating projects from OOP class
- Reached 6 kyu rank by completing coding challenges through the CodeWars website
- Built a portfolio of projects, including a responsive website designed with VS Code
- Competed in HackNC 2021 in a team of two and submitted a website hosting a Unity game

## **TECHNICAL SKILLS:**

Coding Languages: Java, HTML and CSS

Programming Tools: Eclipse, IntelliJ, Visual Studio Code, and GitHub