Yunseok Hwang

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EDUCATION

University of North Carolina at Chapel Hill — **Chapel Hill, North Carolina**
Bachelor of Science in Computer Science | Minor in Data Science — *Expected Graduation, May 2026*

GPA: 3.81/4.00, *Dean's List*
Related Coursework: Data Structures & Algorithms, Discrete Structures, Systems Fundamentals, Intro to Programming
Leadership: *Korean American Student Association - Board Member*

EXPERIENCE

Software Developer Intern — **Toronto, Canada**
Vogro — *May 2020 – Aug 2020*

- Designed and Developed a robust User Interface for a COVID volunteering mobile app.
- Completed 100+ deliveries through the app and gained 500+ volunteers within 4 months.
- Developed User Interface through Dart and Flutter.

Project Manager Intern — **Chapel Hill, North Carolina**
Korean American Student Association — *August 2022 – December 2022*

- Designed an interactive website leveraging Javascript, HTML, and CSS, and provided scripts to operations staff on website maintenance increasing website traffic by 35%.

A-Level Computer Science Tutor Intern — **Seoul, South Korea**
Tublet — *May 2023 – Aug 2023*

- Conducted individual and group tutoring sessions focusing on Python as the primary language, emphasizing core concepts such as data structures, object-oriented programming principles, and front-end languages like HTML and CSS.
- Tailored instruction to meet diverse learning styles, ensuring a comprehensive understanding of Python syntax, libraries, and best practices.
- Collaborated with students to develop and debug code, fostering analytical thinking and practical application of programming skills.

SAT Tutor — **Seoul, South Korea**
Tublet — *Jun 2021 – Present*

- Developed customized study plans tailored to each student's strengths and weaknesses, resulting in an average SAT Math score increase of 100+ points.
- Virtually provided targeted SAT Math tutoring, covering key topics such as algebra, geometry, and statistics.

PROJECTS

Project 2048

- Created a version of the popular 2048 application.
- Optimized the game to run more efficiently using data structures such as priority queues or hash tables to speed up game logic.
- Designed and implemented a dynamic power-up tile system in a puzzle game, enhancing gameplay with strategic elements and visually appealing effects.

Personal Portfolio Website

- Developed a fully responsive UI using front-end technologies such as React and Tailwind CSS

2022 World Cup Predictor

- Developed and executed a predictive model for the 2022 World Cup outcomes, leveraging historical data from previous tournaments to identify patterns and success factors using Python, Pandas, and Scikit-Learn
- Developed predictive models, conducted extensive data cleaning, and applied machine learning algorithms, resulting in a robust tool for sports analytics.

SKILLS

Programming: Python, Java, JavaScript, HTML/CSS, Node.js, React.js, MATLAB, C++, C, Linux
Technologies: ReactJS, Jupyter Notebook, NodeJS, Git, Unity, Tailwind CSS
Languages: Fluent English, Fluent Korean