

Alexander Ho

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EDUCATION

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

May 2022

Bachelor of Science in Computer Science, Music Minor: GPA: 3.52

Relevant Coursework: Data Models, Data Structures, Computer Organization, Algorithms, Web Development, Files & Databases, Software Engineering Lab, Operating Systems, Computational Photography, Computer Ethics

Dean's List: Fall 2018, 2021 and Spring 2019, 2022

DEVELOPMENT EXPERIENCE

ANCIENT PATH ADVENTURES

August 2021 - December 2021

Software Developer

- Delegated tasks amongst the team members and documented progress through a Trello board; identified and solved 5 major defects through weekly refinement sessions to improve process flow
- Structured account access (Student, Teacher, Admin); gave teacher accounts ability to create classes and assign provided/ personal modules which are encrypted and stored on Firebase; fetched data through REST API using Axios HTTP client
- Served as Design Lead and collaborated with client's design team, organizing the layout of the accompanying website on Figma for the game *Promised Land Journey* and utilized React and Redux Toolkit in Visual Studio Code
- Introduced account security via Google Authentication to protect the confidential information of users

SKILLS

• Programming Languages and Frameworks:

- | | |
|---------------------------|----------------------------------|
| o HTML / CSS (Expert) | o Git (Expert) |
| o Javascript (Proficient) | o React (Proficient) |
| o Java (Proficient) | o Angular (Novice) |
| o C (Proficient) | o AWS (Novice) |
| o MySQL (Proficient) | o Redux / Redux Toolkit (Novice) |

- **Tools & Software:** Visual Studio Code, Eclipse, GitHub, Git Bash, RStudio, JupyterNotebook, PyCharm, MATLAB, MySQL, IntelliJ, MARS, Figma, Vim, Docker, Ubuntu

- **Tutor:** Java, C, and MIPS

• Certifications:

- o Responsive Web Design — [freeCodeCamp.org](https://www.freecodecamp.org) (May 2023)

PROJECTS

- Rocket League Statistics
- Guess the Country
- Goalsetter Application

ADDITIONAL WORK EXPERIENCE

TEA HILL

August 2022 - Present

Team Leader

- Delegated responsibilities to other employees to prepare boba, teas, purees, and other ingredients to maximize freshness throughout operating hours
- Memorized 50+ recipes in order to replicate drinks efficiently in the highest quality for all customers

LEADERSHIP AND COMMUNITY INVOLVEMENT

UNC ESPORTS

August 2019 - May 2022

Officer & Varsity Captain

- Initiated online weekly events throughout semesters and created a safe space for members to connect with each other
- Successfully executed 10 public tournaments with 20+ people alongside UNC Esports Club and UNC Campus Recreation