Michael Kim

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EDUCATION

Johns Hopkins University **May 2025**
Degree (BS), Major (Computer Science) *Baltimore, MD*

- *GPA*: [3.4/4.0]
- *Relevant Coursework*: Intro to Algorithms, Artificial Intelligence, Computer System Fundementals, Data Structures, Mathematical Foundations of Computer Science, Linear Algebra, Intermediate Programming (C/C++)

SKILLS

- **Skills:** Java, C, C++, C#, Javascript, MongoDB, React, React Native, Python

WORK EXPERIENCE

Quest2Learn **Sep. 2021 – Present**
Unity/Computer Programmer *Baltimore, MD*

- Created a distance learning app using AR to simulate chemistry/biology lab environments for over **100 users** using **Unity and C**
- Spearheaded the development of the acid and base lab with 5 other students
- Analyzed user testing and found out 75% out of 100+ people preferred Quest2Learn's interactive app over pre-lab alternatives
- Received the 2021 DELTA Award and a grant of $50,000

Teaching Tools **Feb. 2022 - Present**
Backend Developer *Baltimore, MD*

- Contributed in building a website that autogenerated lesson plans by sending prompts stored in **MongoDB** to OpenAI API
- Implemented a **Jinja** page where developers can change OpenAI settings by accessing **Yaml and Flask**

PROJECTS

Path Finder Project **Feb. 2022 - Feb. 2022**

- Developed a pathfinding visualizer for the shortest path algorithms A-star search using Jupyter NoteBook

Marketplace Website **Sep. 2022 – Sep. 2022**

- Created a frontend shopping website catered towards big organizations using **HTML, CSS, and Javascript**
- Worked in a team of four members during a 2 days hackathon

Chess Game **Apr. 2022 – May. 2022**

- Coded a **C++** chess game with two other team members
- Implemented object-oriented programming tools for basic chess movements and win conditions by applying abstraction and encapsulation

Image Extender **Mar. 2022 – Apr. 2022**

- Designed a photo synthesizer in **C**
- Handled memory management skills such as memory allocation to extend an image without leaking memory or losing photo's resolution
- Coordinated with two other team members