

## SKILLS

- Programming Languages/Experience: HTML, CSS, Java, Python, C, C#, JavaScript, SQL, LC-3 Assembly
- Strong understanding of: Algorithm Design, Computer Science Fundamentals, Data Structures (Arrays, Binary Trees, HashMaps, etc.), Object-Oriented Programming, Low-Level Programming, Microsoft Office (Word, Excel, PowerPoint, Access, Outlook, etc.)
- Software/Frameworks: Git, GitHub, Docker, VSCode, IntelliJ, NodeJS, Unity, Discord Developer Tool, Affinity Photo 2, Affinity Designer 2
- Languages: English, Mandarin, Malay

## PROJECTS

### Minerva OCR & Multimodal | DuckAI

Contributing member of Multimodal eye-tracker and Minerva OCR research efforts by DuckAI. Wrote over 260 lines of code in Python and produced 3 prototypes for the GUI of the software used to create the dataset for the eye-tracker. Compiled and contributed over 100 documents containing LaTeX expressions to train OCR.

### Obstacle Course Game | Personal Project

Developed a personal obstacle course video game using Unity and C#. Designed prefabs in the Unity engine for different game objects. Wrote 4 scripts for different objects and over 360 lines of code.

### StartUp Feedback GUI | Personal Project

Developed a form-based GUI in JavaFX that would allow users to provide feedback on software, particularly for startups. GUI stores entries and allows the developer of the software to view, respond to, sort, remove, and export all feedback entries. Wrote over 440 lines of code and implemented 29 elements with specific-case scripting for each element.

### Avatar Game | Personal Project

Developed game inspired by Avatar: The Seige of the North and Dungeons & Dragons, where players can play with different classes of characters with unique abilities. Wrote over 440 lines of code. *Concepts used: OOP, abstract classes, inheritance, class hierarchies, method overriding.*

### Stock Inventory Software | Personal Project

Developed software to track inventory for local businesses in Java. Wrote 330 lines of code, allowing users to add and remove items and be notified of low stock or expiration of perishables. *Concepts used: OOP, interfaces, abstract classes, polymorphism, inheritance, generics, exceptions.*

### AI, Writing, and Multimodality: A User's Guide | Invited Contributor

Invited contributor, *AI, Writing, and Multimodality: A User's Guide*, edited by Lainie Pomerleau, PhD. In-class materials, Writing and Communication Program, Georgia Institute of Technology, Spring 2023. Wrote a 4-page paper examining the technical capabilities and limitations of modern LLMs and the use of neural networks and statistics in generating human-like responses.

## EDUCATION

### Georgia Institute of Technology | Atlanta GA

Computer Science, Bachelor of Science (Intelligence & Media)  
July 2022 - May 2026 (Anticipated)

3.79 GPA

- Relevant Coursework: CS1301: Introduction to Computer Science; CS1331: Introduction to Object-Oriented Programming; CS1332: Data Structures and Algorithms; CS2050: Introduction to Discrete Mathematics; CS2110: Computer Organization and Programming; CS3510: Design & Analysis of Algorithms

### UCSI College | Kuala Lumpur MY

General Certificate of Education Advanced Levels  
August 2020 - November 2021

4.00 GPA

- UCSI University Trust A-Level Scholarship 2020

## WORK EXPERIENCE

### Battlemind Creative Sdn. Bhd. | Kuala Lumpur MY

Digital Marketer

December 2021 to January 2022

- Collaborated with a multinational company as our client outsourcing their advertising campaign and with 7 social media influencers to produce deliverables like Instagram/Facebook posts or blogs as part of the promotional campaign
- Designed templates and design elements for influencers to use in campaigns
- Negotiated price rates charged by influencers down by approximately 25% and managed budget of over RM48,000

## LEADERSHIP

### Georgia Tech Malaysian Students Association Committee

Head of Outreach

January 2023 to Present Day

- Designed social media posts from scratch for organized events, increasing Instagram engagement by 2% since taking over

## ACHIEVEMENTS

- Achieved 1st Degree Black Belt in Taekwondo
- Participated in the First-Year Study Abroad program in Oxford and Europe
- Attained PADI Advanced Open Water Diver License