Ivan Loh

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EDUCATION

Georgia State University
Expected graduate date: 2025 May
Bachelor of Science in Computer Science   Atlanta, GA
Overall GPA: 4.13/ 4.00 | **Major GPA:** 4.13 / 4.00
Relevant Coursework: Data Structures, Design & Analysis: Algorithms, Computer Organization & Programming, Programming Language Concepts, System Level Programming
Honors and Distinctions:

- **Dean's List (3 of 5 semesters):** Awarded to students with above a 3.5 GPA in a given semester.
- **CS Undergraduate Academic Excellence Award (2021):** Awarded to students with >3.8 GPA overall and >3.6 CS major.
- **HOPE Scholarship (2022 – present)**

WORK EXPERIENCE

Audio Signal Pre-process   Jun 2020 – Aug 2020
Research assistant

- Downloading infant cry sound clips from the internet and preprocessing for research.
- Using Transcriber tool to manually segment .wav format audio files into multiple cry samples.
- Ensuring that each cry sample is a complete cry starting with a sound from the expiration phase and ending around a sound in an inspiration phase for the infant cry classification research to have the best results.

PROJECT EXPERIENCE

Game Development   Aug 2022 – Dec 2022

- Using C language to develop methods in small games.
- Using Linux commands to compile and combine parts of programs.
- Developing different types of data structures in multiple situations.

Understanding and implementing Assembly language   Jan 2023 – May 2023

- Understanding the base logic of programs behind the CPU.
- Coding x32 processor Assembly language to directly apply methods to registers and assignment value to memories without using high level languages.
- Translating algorithms written in higher languages into Assembly.

COMPUTER LANGUAGES

Experienced in: Java
Familiar with: C, Assembly, Prolog, Lisp**,** Linux
Learning: HTML, CSS, Python

LANGUAGE SKILLS

English, Chinese, Japanese