Heather Hernandez

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Education

Georgia Institute of Technology — BS, Computer Science, 3.73 GPA   Aug. 2022 - May 2025

Notable Coursework: Object-Oriented Programming, Data Structures and Algorithms for Applications, Computer Organization and Programming, Objects and Design, Discrete Mathematics for Computer Science, Information Visualization

Starr's Mill High School — High School Diploma, Honor Graduate   Aug. 2018 - May 2022

Rank 3/330, GPA: 4.0 unweighted, 4.5 weighted

Leadership

Fundraising Director — Georgia Tech Filipino Student Association   Sep. 2022 - May 2023

- Planned and executed monthly fundraisers that engaged members and financed the end-of-year culture show, which had an estimated attendance of 300.
- Increased fundraiser participation by focusing on target audience and increased projected profit by 100%.

Projects

Electronic ARTrium — Sensor Processing and Networking Team   Aug. 2023 - present

- Referenced past Python code and documentation from the previous exhibit to plan the execution of section control programs for 50% of the current exhibit being worked on.
- Created indexing system for all game events in each section of the exhibit to be used in C# game control script in Unity.
- Wrote programs in Python and C# to test the sending and receiving of UDP packets in the form of JSON objects over Ethernet.
- Designed finite state machine to streamline communication of game event cues between Unity, Python programs, and Arduinos.
- Documented meeting notes that were utilized by 50+ team members.

Debt Tracker App for Android   June 2023 - present

- Used Jetpack Compose to build an interactive and visually pleasing user interface with various Composable functions.
- Implemented a Model-View-ViewModel architecture to separate private data and its manipulation from the user interface and prevent bugs or inconsistences.

Skills

Programming: Java, Kotlin, C#, HTML/CSS, Javascript, D3.js, Python
Language: Spanish (intermediate)