Heather Hernandez

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Education

Georgia Institute of Technology — BS, Computer Science, 3.8 GPA   Aug. 2022 - May 2025

Notable Coursework: Object-Oriented Programming, Data Structures and Algorithms for Applications, Computer Organization and Programming, Objects and Design, Information Visualization, Design and Analysis of Algorithms, Databases

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

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

Projects

Electronic ARTrium — Visual Art and Design Team Co-lead   Aug. 2023 - present

- Created indexing system to keep track of all game events in each section of the exhibit.
- Implemented C# game event system to streamline communication of game event cues between Unity, Python programs, and Arduinos.
- Coordinated integration of game events with Sound Design and Electromechanical teams via TCP/IP networking.
- Created team's work schedule for the semester to ensure consistent progress and sufficient time to meet deadlines.

Mobile Game for Android — 2D Dungeon Crawler   Aug. 2023 - Dec. 2023

- Implemented Agile methodology to the team's workflow to keep up with project deadlines.
- Defined a responsive user interface layout that updates during game play using XML.
- Implemented timed enemy movements and attacks with synchronous visual representations in Java.
- Created a leaderboard that updates after each playthrough of the game in Java.

Debt Tracker App for Android   June 2023 - July 2023

- Used Jetpack Compose in Kotlin to build an interactive and visually pleasing user interface with Composable functions.
- Implemented MVVM architecture to separate private data and its manipulation from the user interface and prevent bugs or inconsistences.

Leadership

Undergraduate Teaching Assistant — Georgia Tech College of Computing   Jan. 2024 - present

- Created targeted problems for recitations based on lectures and assessments for the computer organization and programming course.
- Conducted twice-weekly recitations to engage students and encourage practice with lecture material.
- Answered student questions on course material and solved technical issues during both in-person office hours and virtually through online discussion board.

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%.

Skills

Programming: Java, C, Assembly, Javascript, d3.js, HTML/CSS, C#, MySQL, Python, Kotlin
Project Management: Agile, Git
Language: Spanish (intermediate)