

## Education

**Georgia Institute of Technology**  
*BS Computer Science, GPA: 3.5*

Atlanta, GA  
*Aug 2022 / May 2026*

## Skills

**Programming Languages:** Java, Python, C, C++, HTML5, CSS3, JavaScript, SQL

**Other Tools** Git, Docker, Linux, Virtualization, CI/CD, Google Cloud, Oracle Cloud, JIRA

## Work Experience

**Information Technology Intern**      Atlanta, GA      *Georgia Tech IPaT*      *March 2025 / Present*

- Created new IoT devices leveraging C, C++, Python, ESP32, ESPHome
- Updated firewall rules, configured NGINX server for access outside of Georgia Tech's network
- Updated Aware Home website with WordPress, HTML, CSS, and JavaScript

## Projects

**HomeLab:** Linux Filesystem, Linux Terminal, OpenSSH, Docker, Virtualization, Networking  
*<https://sites.google.com/view/vivekhomelab/home>*

Mastered Linux terminal, Docker, Networking, and Virtualization through creation of services, such as HomeAssistant, to run a Smart Home. All services were fully automated using Docker scripts. NextCloud and OpenVPN integrations also installed for access anywhere in the world.

**BetterSpotifyWrapped:** Java, Git, CI/CD, Firebase/SQL, Agile, UI/UX  
*<https://sites.google.com/view/betterspotifywrapped/home>*

UI-Lead: Implemented all aspects of a UI, utilizing Material UI fundamentals in design to create a highly functional, easy to navigate app. Additionally implemented a database with Firebase and created a CI/CD pipeline to ensure the projects builds before merging pull requests.

**Golden Axe GBA:** C, Usenti, Tiled, Memory Management  
*<https://github.com/vivek3210/GoldenAxeGBA>*

A game that was made to run on the GBA using Assembly, C, Docker, and lots of manual testing. Object pooling, Mode 0 Tilemaps, Malloc, Realloc, and other memory optimizations were used to make the game completely playable on a GBA with 60fps.

## Certifications

**Site Development Associate** April 2020

*CIW uCertify*

Web Development (HTML, CSS, JavaScript) certification obtained after completing a 6 month course