

AIDAN WALDEN

aidan.walden15@gmail.com

Education

Stevens Institute of Technology, Hoboken, New Jersey

Class of 2025

- Anticipated graduation 2025
- Enrolled for a major in Computer Science
- Took a gap year due to the COVID-19 outbreak in the academic year of 2020 - 2021

Adelphi University, Garden City, New York

2022 - 2022

- Attended for a single semester in order to take general courses
- All classes transferred to Stevens Institute of Technology

Experience

Software Programming and Game Development

2016 - Present

- Developing virtual reality game where players must escape a randomly generated facility - *using Unity engine and SteamVR*. The game uses pathfinding logic and level generation logic.
- Attended Adelphi University iD Tech summer class. Learned C++ programming language while creating 2D terminal game with different paths depending on user inputs.
- Used C# to create a program for maintenance of game files for video game Borderlands 3.
- Created multiple programs that manage user messages and carry out user requests on popular media platform Discord - *used Python and discord.py API*.
- Created program which mimics a user login on live streaming website Twitch.tv to gain viewing hours - *used Node.JS and puppeteer API*.
- Created an add-on for the game Minecraft using Java and the Fabric mod development API.
- Gained an understanding of C#, C++, Java, HTML, JavaScript, Python, NodeJS, and Go programming languages.
- Maintain a GitHub account where source code for listed programs (and more) is available (<https://github.com/aidan-walden>)

Server Maintenance and Administration

2016 - Present

- Maintain multiple game servers to allow over 15 active users to access video games and social platforms such as TeamSpeak and Discord.
- Responsible for all administrative roles on the server.
- Automated tasks on the Plex server to clean out unused files and automatically organize files using Cron.
- Used Docker platform in order to create and maintain web services such as media libraries and password management tools.
- Manage and maintain over 1TB of media data. Manage all software on servers and ensure software is current.

Web Development

2016 – 2020

- Responsible for designing and developing website for local Bellmore Civic Group.
- Formed and organized web development group with peers to allow exchange of information and support for projects.
- Developed the Imperium website for Virtual Enterprise class using HTML, CSS and JavaScript as well as Weebly web design interface. Website can be viewed at <https://imperiumny.weebly.com>

IT

2016 – Present

- Responsible for diagnosing and solving technical issues on platforms including Windows 98, Windows XP, Windows 7, Windows 8, Windows 10, Windows 11, macOS, iOS, Android, and Linux distros including Debian and Arch.
- Directed users through advanced processes in order to clean and harden their personal devices.
- Helped numerous users manage personal data including accurate and timely backup of photos, contacts, emails.
- Maintain multiple camera security systems to ensure accurate movement detection and recording of security footage.
- Experience building and maintaining hardware of desktop PCs, for example routine cleaning or diagnosis and replacement of bad parts

CyberPatriot Club - Co-Founder and Vice President**2018 - 2020**

CyberPatriot is a competition where over 3,300 high school teams compete in the National CyberPatriot Cybersecurity competition - created by the US Air Force Association.

- Team placed 1st in New York State semifinals during the 2018-2019 school year as well as during the 2019-2020 school year.
- Created research material and custom bash scripts for team to use during competition.
- Acted as team lead on Ubuntu and Debian image teams.
- Mentored new team members on how to effectively approach competition(s)

Previous Employment**Data Entry – Infinity Consulting Solutions****Summer 2017**

- Responsible for the entry of over 5,000 resumes and career profiles. Transferred data from resumes to corporate database.
- Entered data into proprietary database and provided weekly progress reports.
- Created user profiles, validated all information and added candidate references.

Parks Department – Town of Hempstead**Summer 2021, Present**

- Responsible for general maintenance of the park including cleaning, changing pool filters, maintaining fields.
- Currently working part-time, seasonally during the summer.

Skills and Interests

Computer: Microsoft Suite (Word, PowerPoint, Excel, Access), Google Docs, Knowledge of Microsoft command prompt as well as Unix shell, General computer proficiency

Programming Languages: General proficiency in C#, C++, Java, HTML, Javascript, Python, NodeJS, Go, Unity engine

Interests: Software engineering, Video game design, Weight training, Investing