

Joseph Heaney

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EDUCATION

New York Institute of Technology

Masters of Science – Computer Science

Old Westbury, NY

Expected: May 2024

- MS Coursework: Computer Architecture, Operating Systems Security, Algorithm Concepts

New York Institute of Technology

Graduated Cum Laude

Old Westbury, NY

Bachelors of Science Electrical and Computer Engineering Technology *September 2019 – May 2023*

- BS Coursework: Physics, Microcomputers, Microcontroller Based Systems, Embedded Systems and Internet of Things, Applied Statistics, Engineering Economics, Communication Circuits, Circuit Design and Fabrication, Data Structures, Operating Systems, Database Management

SKILLS & INTERESTS

Coding Languages: Java, HTML/CSS, Javascript, SQL, Python, MATLAB

Skills: GitHub, Microsoft Word, Excel, PowerPoint, Mechanical conceptual knowledge, System Level Electrical Design, and Integration, Team Player, Analytical Skills, Communication Skills.

Interests: Gaming, Coding, Reading, Designing.

WORK EXPERIENCE

Victor Gindi – Vic's USC

Unit Head Counselor

Brooklyn, NY

May 2023 – August 2023

- Implemented camp activities fostering physical, social, and emotional growth.
- Led counselors across multiple grade levels to develop engaging activities for campers.
- Managed and supervised trips to various locations with counselors and campers.

PROJECTS

Steam Compatible VR Headset with Controllers

December 2022

Technologies Used: C++, Arduino

- Collaborated with two other students to design and build a VR headset from scratch.
- Programmed Arduinos in C++ and constructed headset using 3D printers.
- Presented finished project to school and received top grade.

Basic Personnel Website

January 2023

Technologies Used: HTML/CSS

- Learnt HTML & CSS and built a basic website to inform people about me.
- Website link: joeheaney.netlify.app

B+ Tree Database

April 2023

Technologies Used: Java

- Led a team with two other students to construct a B+ tree database.
- Constructed a parts catalog using a partfile and Java code.
- Successfully implemented B+ tree alongside Java UI to access data.