

Philip Yeh

Newton, MA

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Professional Summary:

A determined computer science junior that is excited to utilize the ideas learned throughout the school curriculum and apply them to real life problems. Ready to continue learning and armed with a skill set that emphasizes organization, effective communication, and teamwork.

Education

Bachelor of Computer Science / Minor in Mathematics

University of Massachusetts, Lowell, MA

Anticipated May 2023

GPA: 3.1/4.0

Awards: Dean's list, Riverhawk scholars' scholarship

Relevant Classes:

Computing II (Data Structures)

Discrete Structures I-II

Computing III (Object Oriented Programming)

Linear Algebra I

Assembly Language

Analysis of Algorithms

Skills

Programming Languages: C/C++, Assembly, Exposure to Python

Operating Systems/Tools: Unix/Bash Shell, Linux/Ubuntu, Mac OSX, Visual Studios, Git

Documentation: MS Word, Excel, PowerPoint

Projects

Photo Encryption/Decryption: C++/UMass Lowell Project Course

- Implementation of Encryption/Decryption program for photos using C++ and SFML libraries
- Created using a Linear Feedback shift register that altered the pixels of a photo and simulated an encryption/decryption effect

Cozmo Shape & Color Detection: Python/UMass Lowell Project Course

- Implementation of a finite state machine and allows Cozmo, a programable robot, to detect objects of any shape/color and adjust its movement to what is desired
- The finite state machine allows Cozmo to be in certain modes to determine what it wants to do

Evil Hangman: C/UMass Lowell

- This Evil hangman is a game of Hangman with a twist, for when the user guesses a correct letter, the game changes the word to something else with the same length and position of guessed letter
- Created using opaque object design along with data various data structures such as vectors, maps and AVL trees

Work Experience

Sept 2020 – Sept 2021 **Front End Clerk**

Stop and Shop, Watertown

- Helped manage the front-end store team and solved customer service problems
- Developed communication skills in a high paced team-based environment

Activities

River Hawk Scholars academy, Umass Lowell

- Program that represents first generation college students and helps them navigate through college
- Hosts events such as dinners, talk panels and other activities that creates more opportunities for students