

Henry Webb

Passionate and hardworking software developer/engineer with extensive experience in many coding languages and a passion for all things technology. I am a quick study and eager to work and learn as part of a team while using my communication and leadership skills to help others in the process.

EDUCATION

Rensselaer Polytechnic Institute — *B.S in Computer Science with a minor in Artificial Intelligence and Cognitive Science, and a minor in Management and Entrepreneurship*

June 2022 - Present | Troy, NY.

- Internal Fraternal Committee representative for Lambda Chi Alpha of RPI

Fall 2020 - Present | Troy, NY.

- Rensselaer Polytechnic Institute Leadership Award

Coursework: Computer Science 1, Data Structures, Foundations of Computer Science , Computer Organization , Principles of Software , Intro. To Algorithms , Calculus 1 , Calculus 2 , Linear Algebra , Intro. to Cognitive Science , Intro. to Management , Intro. to Machine Learning Apps

PERSONAL PROJECTS

Ios app tracking and routing runs/walks:

Used Swift for the front end app and Firebase with some SQL to connect it to a web-server to store running data.

Raspberry Pi Driving Robot:

Used Java for basic controls as well as apache to connect it to a website to be controlled with basic 4 direction buttons.

Stock scanning/trading bot:

Used python to create neural networks in order to determine optimal trading strategies by running many simulations and comparing them.

EEG Reader with Arduino:

Used open source python brain libraries with the arduino to interpret brain waves which then we used to control a variety of smart WIFI-enabled products.

Sudoku Solver:

Used C++ Hashmaps to efficiently solve sudoku puzzles of any given size. Additional features were added to allow the numbers to "snake" from one line to the next.

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<https://www.webb-dev.com>

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SKILLS

Knowledgeable of parts of a computer & its assembly, (CPU, GPU, Motherboard, etc.) as well as the inner workings of the programs being run on a bit by bit level.

Programming Languages

- Experienced with SQL, Swift, Javascript, Java, C, C++, Python as well as HTML, CSS and jQuery for creating websites

Microsoft Office

- Outlook, Excel, Word, Powerpoint, Publisher

Software

- Visual Studio, Firebase, Slack, Xcode, Webex

WORK EXPERIENCE

After-School Program Room Leader

January 2018 - July 2020

Provided help and care for students ages 7-13 after they got out of school. Play games with the kids and keep them busy and active. Monitor other counselors who worked under me within my group. Work with other counselors and managers to plan and set up activities for the kids.

Assistant Camp Counselor

June 2018 - August 2018

Worked for the YMCA as an overnight camp counselor as well as a lifeguard where I was in charge of running programs and activities for the campers during the day and managing and watching cabins during the night.