Peter Cougan

417 Euclid Ave, Syracuse, NY, 13210

(315) 534-5512
peter_cougan@outlook.com
petercougan.com

Education

Syracuse University (Syracuse, NY)   May 2019
- Computer Science Major (B.S.), *College of Engineering and Computer Science*
- Mathematics Minor, *College of Arts and Sciences*

Technical Projects   View more online at: *petercougan.com/portfolio.html*

MIPS Assembly Merge Sort Implementation   April 2017
Computer Design & Programming Systems (CIS 341)
- Task: implement the merge sort algorithm into a MIPS Assembly program
- Load an array into memory, operate merge sort algorithm on array, print sorted array to screen

Connect Four   December 2015
Introduction to Computing (ECS 102)
- Task: virtualize a board game to be played as a Java console application with the following requirements: object-oriented, utilize search and sort algorithms, read/write to a file, user input
- Detected winners who had four continuous pieces in horizontal, vertical, or diagonal patterns
- Read/wrote to a .txt file to act as a database and store user statistics
- Recreated as a purely front-end web application to be used in my portfolio

Arduino Robotics Group Project & Competition   December 2015
Introduction to Engineering & Computer Science (ECS 101)
- Task: program Arduino-powered 'vehicles' to avoiding obstacles in path, follow a leading vehicle with a signal, and locate/drive to a tower sending out a signal
- Uploaded group-developed Arduino programs to Arduino board, which controlled all vehicle decision-making skills
- Paired programming experience gained: understanding someone else's logic, reading someone else's code, managing time for different parts of a project

Technical Skills

Languages: Java, C/C++, Haskell, PHP, SQL, JavaScript, HTML/CSS
Software: Microsoft Windows, Mac OS X, Microsoft Office Suite
Other: Probability & Statistics, Calculus

Leadership Experience

Syracuse University Phanstiel Scholar (Syracuse, NY)   August 2015 – May 2019
- Awarded to students who have demonstrated academic success and community leadership
- Encourages and requires students to fulfill several community service projects throughout the academic year, such as fund raisers for charity organizations, mentoring local elementary/high school students, etc.

Junior Achievement Program (New Hartford, NY)   February 2015 – May 2015
The Hartford Financial Services Group
- Elected Vice President of Human Resources position by program leaders
- Worked with a team of 20 students from nearby school districts to develop and sell Charger Armor, a 3D printed product that reinforces iPhone chargers to prevent tearing
- Gained experience in sales, managing a small team, working with business professionals in a professional setting, and brainstorming/innovating in a large group

Work Experience

Town of New Hartford Dept. of Parks & Rec (New Hartford, NY)   May 2016 – August 2017
Laborer, Summer Worker
- Mowed lawns, whacked weeds, painted, etc.
- Gained experience dealing with time management, working in small teams, and interpersonal skills