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Education

University of Connecticut, B.S.E. Computer Science & Engr, Mathematics, 4.0/4.0 August 2015 – May 2019

Relevant Courses: CSE 4095 Object-Oriented Programming, Data Structures & Algorithms; CSE 2500 Discrete Systems; CSE 2102 Software Engineering CSE 1729 Principles of Computer Programming

Yale University, Part-time student January 2015 – May 2015

Experience

Software Engineering Intern, Mobile & Web Technologies, Yale University June 2016 – August 2016

- Developed front-end and search enhancements to Yale University's Campus Map utilizing JavaScript, jQuery, & CartoDB.
- Designed and developed Amazon S3 file transfer client with single-sign on through SAML login using Python, PHP, and JavaScript (Dropzone.js).
- Created dynamic website for Yale University School of Music with live calendar and social media updates.
- Developed Yale University Apple Watch application for Yale Transportation using Apple's Xcode and Swift.

CSE Teaching Assistant, **University of Connecticut** January 2017 – present

- Assist UConn CSE Department (Professor Donald Sheehy) in instructing Data Structures & Algorithms (CSE 2050)
- Lead weekly problem-solving sessions and exam review sessions
- Work with graduate TAs and professors on a professional level

CSE Undergraduate Researcher, University of Connecticut January 2017 – present

- Conduct machine learning inquiry and research with Dr. Jinbo Bi (Department of Computer Science & Engineering) – specifically analyzing a variation of Google Deepmind's AlphaGo algorithm
- Work closely with professor and graduate students and will publish thesis paper after project completion

Projects

UConn Transportation Mobile Application February 2017 – present

- Developing Android application for UConn bus system on a team of three UConn CSE students

AlphaToe Modeling March 2017

- Built graphical modeling for an open-source machine learning project that uses supervised learning for tic-tac-toe

EpiPing March 2017

- Designed and built a smart EpiPen using a Rasberry Pi which sends emergency alerts to medical personnel and anyone else the user wishes to notify when using an EpiPen. Currently pursuing a patent.

Skills

- Proficient: Python, Java
- Familiar: JavaScript, Swift, Scheme
- Learning: TensorFlow, SQL
- Developer Tools – Git, Eclipse IDE, Xcode

Honors/Awards

- 2nd place - HackUConn 2017
- UConn Honors Program
- Homer Babbidge Scholar – University of Connecticut
- UConn School of Engineering Dean's List: Fall 2015, Spring 2016, Fall 2016
- 1st place - Connecticut Future Problem Solving State Competition