Jerry Fu

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OBJECTIVE

Passionate young programmer in the Junior year looking for software opportunities to broaden views and gain experience.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate
AWS Certified Developer - Associate

COMPUTER EXPERIENCE

AWS (2017-2019)
Created a Framework of a video sharing website with Auth-0 login and account management using Elastic Transcoder, Lambda and S3.
Java (2015-2019)
Read and organized data from a Movie database into a tree of Actors and Movies from text (1 gigabyte of text) into a graph to allow for quick queries into connections between Actors or Movies and the shortest distance between.
C/C++ (2016-2019)
Made a multithreaded chat server with custom rooms that would parse and respond to different user commands.
Developed an event-based simulation of predator and prey breeding eating and moving two dimensionally.
JavaScript/HTML 5 (2016-2019)
Developed and Hosted multiple games using the Perlenspiel Game Engine. Host a personal website for myself (thejerryfu.com) and used AWS to be the web administrator for a photography website (markbrayphotography.com)
Python (2017-2019)
Wrote an algorithm to make informed decisions in calculating outcomes of a game via a min-max algorithm.
Developed a Naïve Bayes Classifier, a Decision Tree and a Cluster solution to train and test a model for detecting party affiliation based on votes.
Scala (2017-2019)
Wrote recursive code (project requirement) with a greedy algorithm capable of solving Sudoku puzzles given a solvable configuration.
SQL/No-SQL (2018-2019)
Wrote and tested python interfaces with MySQL and DynamoDB(No-SQL)

EDUCATION

University of Massachusetts Amherst – Honors College, Amherst, MA – Computer Science Major   **2017-Now**

Classes: Artificial Intelligence, Operating Systems, Introduction to Algorithms, Programming Methodology (C/C++), Discrete Math, Introduction to Software Engineering, Reasoning Under Uncertainty.

Worcester Polytechnic Institute, Worcester, MA – Computer Science Major   **2016-2017**

Classes: Introduction to Programming Design (Racket), Accelerated Object-Oriented Design Concepts (Java), Systems Programming Concepts (C/C++), Digital Game Design (JavaScript)

WORK EXPERIENCE

DOBI Medical International (2017): Worked as a Junior Software Engineer debugging cancer screening code**.**

Boston Roundtable (2017): Worked to design a business website and all other online aspects for the company.

Blue Sky E-School (2018-Now): Worked as a teacher for classes in math and logical reasoning skills. Developed curriculum for a major class. Consulting for web-based issues.

ADDITIONAL SKILLS

Fluency in Chinese, experience in Spanish, proficiency in the Microsoft Office Suite, experience with Adobe Premiere Pro, and ability to write a technical paper.