Edmund Do

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Education

University of Vermont, May 2020
BS, Computer Science, 3.82

Relevant Coursework
Algorithm Design and Analysis
Machine Learning
Modelling Complex Systems

Skills

Languages
Java, Python, C/C++, JavaScript, SQL, Bash

Frameworks
Node.js, React, IBM Cloud

Software
Eclipse, IntelliJ, Visual Studio Code, Git

Experience

University of Vermont | Research Assistant
Jan 2019 — Present
- Created visualizations of heart activity using Python visualization libraries for a classification algorithm.
- Designed a command line and UI interface for interacting and viewing visualizations.
- Documented code and usage information.

University of Vermont | Teaching Assistant
Sept 2018 — Dec 2018
- Reviewed and provided feedback to submissions for a course on algorithms.

Projects

Chat Client
Developed a chat room web application using Node.js. Implemented long polling to send and receive messages between clients.

RC Car
Lead development on implementing a wireless interface to facilitate communication between a Raspberry Pi and Arduino to remotely control a small RC car.

Maze Traversal
Implementation of the A* search algorithm in Python to traverse a maze given from a text file.

Packet Sniffer
Created a packet capture application in Java using the jpcap library. Expanded functionality to detect ARP spoofing.