Kieran Duggan

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Education:

The City College of New York, New York, NY

B.S Computer Science (December 2019)

Major GPA:3.42

Course Work:

Databases	Data structures	Algorithms	Software Engineering
Operating Systems	Software Design	Paradigms	Data Visualization

Skills:

Languages: Java, Python, JavaScript, HTML/CSS, C/C++

Technologies: Linux, Git, MySQL, NodeJS, ExpressJS, JavaFX

Internships:

Computer Science Teaching Assistant, Rockland Community College, Suffern, NY, 01/16-06/16

- Assisted students in debugging their Java code, completing assigned home works and understanding topics discussed in class.
- Took note of weak points from students during lecture to help improve the course over time.

Projects:

GameBook

- A social networking web app for gamers to meet other gamers. Created as a group project for databases class.
- Used technologies such as HTML/CSS, Node.JS, Express, Handlebars and MySQL.
- Responsible for implementing the design and functionality of the homepage, game page, and search page as well as designing schema for the database.

Document System

- A JavaFX application for creating, editing, and sharing documents. Java and MySQL were used to achieve this.
- Built effective schema for documents that allowed for a simple version control system.
- Designed MySQL queries to save, load, and retrieve versions of a document as well as document metadata relevant to different users logged into the system.

Artificial Life Project

- Inspired by Conway's game of life, a randomly generated grid based world where 'organisms' are represented in cells and follow simple rules.
- Programmed using Java and JavaFX.
- Created a grid framework for cells to live on including basic logic, as well as displaying to JavaFX.

Activities:

ASME Programmer (Fall 2018 – Present)

- Assisted in writing code to control a robot using an Arduino and Raspberry Pi.