

JUSTIN DIAZ

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Education

Binghamton University
B.S. Computer Science 2020
3.61 GPA

Courses

Data Structures/Algorithms
Operating Systems
Advanced Algorithms
Obj. Oriented Programming
Computer Security
Discrete Mathematics
Linear Algebra
Advanced Computer Architecture

Skills

C++
C
Java
Python
HTML/CSS/JS

Employment

iD Tech Camps

Instructor

Sarah Lawrence College, Bronxville NY
June 2018 to Aug. 2018

- Structured daily lesson plans that incorporated computer skills into fun exercises and activities
- Taught various programming languages/programs (Java, GameMaker Studio 2, Scratch) to students between the ages of 7 and 17 in classroom setting
- Helped to maintain order and discipline amongst group of 50 children through organized activities

Projects

Log Structured File System

Apr. 2019 to May 2019

- Implemented a log structured file system in C++ that allows for saving, loading, reading, and editing of files

Binghamton Professor Finder Chrome

Nov. 2017 to Mar. 2018

- Developed a Chrome Extension that integrates RateMyProfessors.com with Binghamton's Look Up Classes page to optimize the student class registration experience using HTML and JavaScript
- Published to the Chrome Web Store with over 50 users

Guitar Chord Website

Feb. 2018

- Created a website that helps teach individuals how to play guitar chords through a simple game using HTML and JavaScript

Harry Potter Virtual Reality Experience

Apr. 2017

- Developed mini Harry Potter VR experience in which the user can perform 6 spells using voice recognition in C#
- Created environment in Unity utilizing the Oculus Rift and Oculus Touch

"Zombie War" Python Game

Nov. 2016 to Dec. 2016

- Developed a short game in Python where the player sends zombies to houses to control them

Activities

UPE (Upsilon Pi Epsilon)

Apr. 2019 to Current

- Member of the International Honor Society for the Computing and Information Disciplines

Hack BU

Aug. 2016 to Current

- Learned various programming languages and participated in hackathons (Hack AE/Hack BU)
- Worked on a piano tutoring program in Python at Hack AE