DION NIAZI

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GitHub: https://github.com/dn3gy/

EDUCATION

University of Virginia, Charlottesville, VA
Bachelor of Arts, Computer Science   **Expected Graduation: May 2020**

TECHNICAL SKILLS

- Proficient in: *Java, C++, C, Python, HTML5, PHP, x86 Assembly, JavaScript*
- Technologies/Environments: *Docker, Django, Windows, Linux, Mac OS, MySQL, NodeJS*

RELEVANT COURSEWORK

Internet Scale Applications – *CS 4501*
- Worked on building a large-scale internet application that resembles popular and demanding websites that are seen today throughout the whole semester
- Implemented topics taught in class onto project such as load balancing, searching and queuing, continuous integration, parallel batch processing, etc.
- Project was made in the Docker environment and by using the Django Framework

Programming and Data Representation – *CS 2150*
- Learned program representation from the high-level programming language perspective down to the underlying machine level representation
- Implemented basic and advanced abstract data types in C++ such as linked lists, stacks, hash tables, trees, graphs, etc.
- Evaluated asymptotic time and space complexity analysis of programs and data structure implementations and assess the suitability of a data structure for a particular problem

Algorithms – *CS 4102*
- Learned the fundamental ideas in algorithm analysis such as time and space complexity, asymptotic growth, optimal algorithms, etc.
- Applied those fundamental ideas to analyze and evaluate important problems and algorithms in computing

RELEVANT EXPERIENCE

Fillable PDF REST API
The University of Virginia, Charlottesville, VA   **November 2018**
- Built REST API for a client as a freelancer that takes in set data and fills a fillable PDF with that data

Computer Science Teaching Assistant and Grader
The University of Virginia, Charlottesville, VA   **August 2018 - Present**
- Teaching assistant and Grader for CS 4501 (Internet Scale Applications)
- Assisted in grading multiple group projects and quizzes
- Hosted office hours for the 60 students in the class to drop by and receive assistance on projects and grasp the understanding of concepts in the class

Hack UVA
The University of Virginia, Charlottesville, VA   **March 2017**
- Built a social media website using NodeJS that has a similar concept as Reddit and was hosted using AWS