
Won Young Choi

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Education

University of Virginia School of Engineering, Charlottesville, Virginia

August 2018 - May 2022

- **Cumulative GPA:** 3.68
- **Major:** Computer Science BS
- **Year:** Third
- **Relevant Coursework:** *CS 2110 Software Development Methods, CS 2150 Program and Data Representation, CS 3102 Theory of Computation, CS 4102 Algorithms*

Skills

Software Development: *Java, C++, Python, Django, HTML, CSS*

Information Technology: *Cisco Networking, LINUX, Ansible*

Certifications: *Secret Level Security Clearance*

Projects

Pet Feeding Log Web Application, Chantilly, Virginia

July 2020 – August 2020

- Developed a web application that keeps track of your pet's feedings
- Utilized Django and Python on the backend to create models and forms for user input and accounts
- Utilized bootstrap and HTML/CSS to create a responsive front end for mobile and desktop
- Deployed the webapp to pythonanywhere.com

HooHacks UVA Hackathon, Charlottesville, Virginia

March 2020

- Developed a web application that stores and shares files
- Worked on file upload and deleting functionality using Django and Python
- Utilized bootstrap and CSS to create an aesthetically pleasing front end
- Delivered a sales pitch with the project team

Roller Coaster Longest Path, Charlottesville, Virginia

March 2020

- Created a Java program that determines the longest descending path of a given terrain
- Used dynamic programming to store valid path lengths at each point on the terrain
- Utilized backtracking to store and return the path of points taken by the longest path

Word Search Solver, Charlottesville, Virginia

October 2019

- Wrote a C++ program that outputs all words from a given dictionary that are in a word search puzzle
- Created 2 instances of a custom made hashtable to store the dictionary words and its prefixes respectively
- Checked to see if each word combination was valid using the hashtables

Photo Gallery, Charlottesville, Virginia

April 2019

- Created a photo viewing gallery using Java GUIs
- Stored 5 images in the form of static files in an arraylist
- Gave the user the option to rate each picture and sort based on date, name, and rating

Work Experience

Systems Engineering Intern, Northrop Grumman, McLean, Virginia

May 2020 – July 2020

- Developed Ansible roles for program tool installation and configuration
- Utilized YAML to create Ansible tasks and playbooks used by all engineers in the sector
- Worked with a team of interns and senior engineers in DevSecOps
- Contributed to 33% of the team's development cycle

Course Developer, C3 Cyber Club, Ashburn, Virginia

June 2019 – Sept. 2019

- Received a promotion based on recent performance as an instructor
- Currently developing a course to prepare students for the CCNA certification
- Working with senior executives to develop a Networking and IT program at C3

Cisco Teacher, C3 Cyber Club, Ashburn, Virginia

May 2019 - July 2019

- Developed an introductory Cisco and Cyber Security course
- Taught middle and high school students how to implement network device security and protocols
- Worked with Cisco switches and routers using a serial connection through PuTTY

Java Teacher, Kiwi Academy, Fairfax, Virginia

June 2019 - August 2019

- Developed an introductory Java course
 - Taught middle and high school students about object-oriented programming and basic Java
 - Worked with students to develop Java projects of their choice
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