

# Dylan Nguyen

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## Education

**University of Maryland, College Park**

**Expected Spring 2022**

*Bachelor of Science in Computer Science*

GPA: 3.94

**Montgomery College, Rockville**

**Spring 2020**

*Associate of Arts in Computer Science*

GPA: 3.58

- Board of Trustees Scholarship 2018 - 2020
- The Frank L. Verwiebe, Computer Science Department Award 2020

## Technical Skills & Technologies

Java  
Python  
Ruby  
HTML/CSS/Javascript  
C/C++  
Git/Github, Eclipse, Visual Studio Code, Pycharm

## Courses Taken

Object-Oriented Programming  
Introductions to Computer Systems  
Organization of Programming Languages  
Linear Algebra  
Discrete Structures  
Algorithms\*

\*Currently Taking Course

## Work Experience

**National Institute of Standards and Technology, Gaithersburg MD**

**Spring 2020**

*Computer Forensics Research Intern*

- Researched how to speed up the forensic analysis process by deducting large portions of native files when looking for a particular audio, graphic, or video file through a remote binary file carving project.
- File carved binary files of different Android phone models using Autopsy 4.0, an open source forensic tool, and recorded the resulting native files that existed between each phone.
- Contributed to the National Software Reference Library and Computer Forensics Tool Testing Team by reviewing 1000s of MD5 and SHA1 native file hashes retrieved from binary file carvings by using Python.
- Examined data extracted from mobile device data extraction tools such as XRY Kiosk, gaining hands-on experience with examining Apple and Android mobile devices.

## Extracurriculars/Organizations

**Montgomery College, Rockville MD**

**Spring 2020**

*Raptors Who Code Club President*

- Lead students on building their portfolios through attending hackathons, connecting with other students, and providing a positive environment to learn about programming.
- Coordinated a 75+ participant Zoom guest speaking event with a Software Architect from JBS International, teaching students how to apply to and get hired for internships.
- Maintained a 100+ member Slack server that provides homework help, resources, and event information.

## Personal Projects

**Coronavirus Web-Scraping Discord Bot**

**Summer 2019 - Present**

- Programmed a Discord bot using Python and discord.py API that executes miscellaneous commands and notifies users to enhance server activity.
- Web-scrapes worldwide coronavirus statistics through a series of user commands using tools from the BeautifulSoup4 library.
- Generates bar graphs that displays total confirmed and death cases from countries with the most coronavirus cases using Matplotlib library.