

Dylan Nguyen

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Education

University of Maryland, College Park

Expected Spring 2022

Bachelor of Science in Computer Science

GPA: 3.95

Montgomery College, Rockville

Spring 2020

Associate of Arts in Computer Science

GPA: 3.58

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

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

Libraries/Frameworks: Pandas, NumPy, Express, React.js

Technologies/Softwares: Git/Github, Eclipse, Visual Studio Code, PyCharm, Node.js

Relevant Coursework: Object-Oriented Programming, Linear Algebra, Discrete Structures, Computer Systems, Algorithms, Organization of Programming Languages, Data Science

Certificates: Java Oracle Certified Foundations Associate

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 analyzing 1000s of MD5 and SHA1 native file hashes retrieved from binary file carvings by using Python and Excel.
 - Examined data extracted from mobile device data extraction tools such as XRY Kiosk, gaining hands-on experience with examining Apple and Android mobile devices.
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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.
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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 display total confirmed and death cases from countries with the most coronavirus cases using Matplotlib library.