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

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 various Android phone models using Autopsy 4.0, an open source forensic tool, and recorded matching 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.

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 display total confirmed and death cases from countries with the most coronavirus cases using Matplotlib library.