

SREYA NALLA

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EDUCATION

B.S. in Computer Science & Minor in Political Science, *The George Washington University* **Anticipated May 2022**

- GPA: 3.71, Technical GPA: 3.81
- **Distinctions:** Dean's List, Presidential Academic Scholar, Two-time Grace Hopper Celebration Sponsor Recipient
- **Leadership:** Pi Beta Phi Fraternity, VP Operations (Jan 2021 – Jan 2022); Rewriting the Code, Fellow (Aug 2020 – Aug 2021); GWU Women in Computer Science, Co-Chair (Jan 2020 – Aug 2021)

TECHNICAL SKILLS

Programming Languages & Web Technologies: C, Java, Python, JavaScript, NodeJS, PHP, HTML, CSS, Amazon Web Services (S3)

Database Systems: MySQL, AWS DynamoDB, AWS RDS

Software & Applications: Git, Wordpress, Adobe Creative Cloud, Microsoft Office Suite, Visual Studio Code, IntelliJ

RESEARCH

Undergraduate Research Assistant, *The George Washington University* **May 2020 – Dec 2020**

- Implemented efficient network processing code for OpenNetVM, an open-source network virtualization platform
- Developed and conducted experiments on load-balancing capabilities of a SmartNIC in comparison to those of a software network function
- Facilitated bi-weekly peer code reviews, paper discussions, and brainstorming to improve OpenNetVM functionality

INDUSTRY WORK EXPERIENCE

Amazon Propel Program (APP) Intern, *Amazon.com, Inc.* **Jun 2021 – Sep 2021**

- Leading the design and development of 2 new Payroll Locker features that will allow Payroll Locker users to set a default country upon login and favorite accessible folders by creating a custom API using AWS Coral and Python
- Graduated from Amazon's Software Development Engineering (SDE) Intern Bootcamp with 80+ hours of training in SDE principles, concepts and best practices, and collaborative technical projects

Cyber Software Engineering Intern, *The MITRE Corporation* **Jan 2021 – Dec 2021**

- Analyzed COVID-19 misinformation and disinformation across social media platforms with proprietary tools
- Collected and flagged 100+ tweets daily from suspicious accounts to train for automatic bot detection
- Developed Python scripts that auto-generate graphs that display analyzed tweet data per week on the team website

Senior Lab Technician, *The George Washington University* **Feb 2019 – Sep 2020**

- Developed and monitored 4 faculty websites and blogs per semester with HTML, CSS, JavaScript, and Wordpress
- Supervised and perpetually updated 15 content management systems deployed across 3 academic buildings
- Devised hardware and software solutions and account maintenance for 100+ faculty and students via phone, email, and web teleconference

Web Developer, *Verinume, Inc.* **May 2018 – Present**

- Self-taught HTML, CSS, JavaScript, alongside Bootstrap to repair code and optimize corporate website as needed

ACADEMIC WORK EXPERIENCE

Undergraduate Teaching Assistant, *The George Washington University* **Jan 2021 – Present**

- Teach 60+ computer science students embedded systems programming (CSCI 3410) and operating systems (CSCI 3411), holding 1-on-1 office hour sessions to assist with in-class learning material and take-home technical projects
- Strategize with colleagues to create weekly tutorials and set up online simulators for remote and in-person learning

Student Academic Assistant, *The George Washington University* **Aug 2020**

- Collaborated with 3 team leads to create materials for GenCyber, a week-long, all-girls National Security Agency and National Science Foundation-funded cybersecurity camp
- Educated 30 middle school girls on real-world applications of cybersecurity concepts, existing careers in the field, and how to code using micro:bits