

# Paul Augustine

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## EDUCATION

### The Pennsylvania State University

*Bachelor of Science in Computer Science, Bachelor of Science in Mathematics*

University Park, PA

Aug. 2025 – May 2029

Silver Spring, MD

Aug. 2021 – June 2025

### Montgomery Blair High School

*Science, Mathematics, and Computer Science Magnet Program; WGPA: 4.75*

- **Activities:** High School Work Study, Cybersecurity Club, Political Science Club

- **Awards:** Honor Roll, AP Scholar with Distinction, Seal of Biliteracy for Spanish

## EXPERIENCE

### Software Engineer Intern (Incoming)

*National Security Agency*

May. 2026 – Aug. 2026

Fort Meade, MD

### Research Engineer Intern

*Applied Research Laboratory*

Sep. 2026 – Present

University Park, PA

### Security Engineer Intern

*National Security Agency*

Sep. 2024 – Aug. 2025

Fort Meade, MD

- Performed system security tasks within the Security and Compliance team, held Oversight role for 18 systems with 3600+ resources, hold active TS/SCI clearance with Polygraph
- Addressed Security Assessment Reports by analyzing 200+ vulnerabilities using LatteArt, Nessus, and STIG Viewer to create a remediation repository used by system administrators
- Designed, developed, and maintained user interface elements to meet customer needs on critical system monitoring dashboard using React with TypeScript, HTML, and CSS
- Decreased system authorization times by automating configuration compliance reporting with Python scripts using pandas and NumPy, replacing 5+ hours of manual work weekly
- Reimplemented timesheet management tool deprecated on accessibility featured desktops with a command line interface using C enabling all employees to access all original functions

### Web Development Intern

June 2024 – Sep. 2024

College Park, MD

- Built web app allowing remote audiences to interact with voice activated demonstration hosted at UMD using HTML, CSS, JavaScript, and the WebRTC API with Google Firebase

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, HTML, CSS, C

**Developer Tools:** Git, Linux, Docker, Kubernetes, VS Code, JupyterLab, Eclipse, Jira

**Frameworks and Libraries:** React, Jest, pandas, NumPy, PyTorch, Matplotlib

## COURSEWORK

**Mathematics:** Applied Statistics, Single Variable Calculus, Multivariable Calculus, Differential Equations

**Computer Science:** Foundations of Computer Science, Algorithms and Data Structures, Analysis of Algorithms

**Interdisciplinary:** Research Project, Research and Experimentation, Foundations of Engineering Technology

## TRAINING

**Software Developer:** Git and GitHub, CI/CD and DevOps, Kubernetes for DevOps, Spring and JUnit

**Information System Security Officer:** ISSO Overview, Nessus System Scanning, Continuous Monitoring

**Certifications:** CompTIA Security+

## AWARDS

**NSA Stokes Scholarship:** Awarded nationally competitive \$120,000 scholarship and permanent job offer

**Special Achievement Award:** Received \$2500 bonus for remediation repository and automation efforts

**Directorate Challenge Coin:** Recognized for contributions to directorate during time as a Work Study