

Georgi Petrov

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EDUCATION

Rutgers University

B.A. in ITI and CS - Honors Program - Rising Junior - GPA: 3.7

Edison High School

Weighted GPA: 5.16

New Brunswick, NJ

Sept. 2024 – May 2028

Edison, NJ

Sept. 2020 – June 2024

EXPERIENCE

System Administrator

Rutgers Cybersecurity Club

April 2025 – Present

New Brunswick, NJ

- Led setup and maintenance of Proxmox-based virtual machine cluster for cybersecurity training and research
- Increased club readiness and preparedness for CCDC and CPTC network defense competitions through practice virtual machine deployment
- Managed pfSense firewall to segment environments, enforce perimeter security, and drafted Incident Response workflow for critical React2Shell (NIST CVE-2025-66478) vulnerability
- Implemented infrastructure for Scarlet CTF (Capture the Flag) competition with **over 710** competing teams

Makerspace Technical Specialist

Rutgers University

September 2024 – Present

New Brunswick, NJ

- Operated and maintained Makerspace equipment including – 3D Printers, Laser Cutter/Engraver, Vinyl Cutter, Sewing + Embroidery Machines, Poster Printer, Waterjet, CNC Mill
- Assisted students with safe operation of equipment and advised **260+** students on technical problem solving to accomplish end goal
- Handled multiple tasks simultaneously to accurately implement new equipment into Makerspace workflow
- Troubleshooted more than 45 machine failures and executed repairs in high-use environments
- Independently designed and created projects that improved user experience and increased equipment organization

PROJECTS

ExfiltrationGroup.com Website | *HTML, CSS, JS, Git, Vercel*

Sept. 2025 - Dec. 2025

- Collaborated with 4 peers to architect and launch [ExfiltrationGroup.com](#), an educational platform detailing AI-driven social engineering and phishing
- Researched and synthesized threat vectors involving autonomous AI agents and LLM-scale phishing to outline defense frameworks and create security education content targeting low-tech-literacy users
- Prioritized teaching how to protect yourself and non-technical reader comprehension, increasing phishing awareness
- Leveraged interactive AI tooling to accelerate development of interactive activities, practical examples, animations
- Designed a modular, lightweight static site architecture to ensure minimal attack surface and fast web performance

About Me Website | *Figma, HTML, CSS, Git, Oracle Cloud, Nginx*

May 2025 – Apr. 2026

- Designed responsive UI in Figma, utilizing Material Design dark theme guidelines
- Refined web interfaces and element interactions in VS Code using HTML/CSS
- Deployed web app using Nginx on Oracle Cloud Infrastructure, configuring DNS routing and web server configs

BoomFrame | *Python, Qt, APIs, JSON, HTTP, Git*

December 2024

- Developed desktop Python application with Qt designed GUI, using RESTful HTTP APIs and JSON data to evaluate live market data across 3,000+ items
- Integrated Async data processing to handle large datasets efficiently, filtering output for relevant searching and visual graphical representations
- Engineered automated installation package to simplify deployment on end-user systems, enabling anyone to use with low technical knowledge barrier

TECHNICAL SKILLS

Languages: Java, Python, Bash, C, Risc-V Assembly, HTML/CSS

Developer and AI Tools: Git, VS Code, Prompt engineering, Figma, Powershell, Claude & Gemini, Nginx, Cloud Infrastructure (OCI)

Other Tools: Microsoft Office Suite, Salesforce, Fusion 360 and basic CAD, Adobe Photoshop & Illustrator, SharePoint

Operating Systems: Proficient in Windows and Linux systems with intermediate experience in MacOS