Program: Master of Engineering in Computer Science (Accelerated UG/G) Term: Fall 2026

Ryu Gray

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Objective

Virginia Tech Computer Science major (graduating 2026) with expertise in systems programming and server development through hands-on projects. Academic achievement recognized through honors and prestigious scholarship. Eager to leverage technical skills in networking, cybersecurity, and AI to solve complex challenges. Bilingual professional offering Japanese and English fluency for effective communication across diverse, international teams.

Education

B.S. Computer Science (Expected May 2026)
Virginia Tech, Blacksburg, VA

- Awarded Virginia Tech Scholarship for academic excellence and leadership potential

A.S. Computer Science, Magna Cum Laude (Dec 2024) — GPA: 3.66
Northern Virginia Community College, Annandale, VA

Relevant Coursework: Data Structures & Algorithms, Computer Networks, Operating Systems, Reverse Engineering

Technical Skills & Certifications

Programming Languages: Proficient in C, Python, Java, JavaScript, Go, HTML, CSS
Systems & Tools: Experienced with RISC-V, Git, MS Excel, AutoCAD
Certifications (in progress): Computer Systems Engineering (Coursera: From NAND to Tetris)
Languages: Fluent in Japanese and English

Projects

Personal Web & Video Server (2024)

- Engineered a multi-client server supporting persistent HTTP 1.1 connections over TCP with IPv4/IPv6 compatibility.

- Built a stateless authentication API using JSON Web Tokens (JWT) signed with HMAC to secure private file access.
- Optimized server performance to meet scalability benchmarks for high client loads and request rates.

Resume Template Development, 2023
- Collaborated with a team to create a responsive resume using HTML, CSS, and JavaScript.

- Utilized Git for version control to streamline collaboration.
- Optimized design for compatibility across desktop and mobile platforms.

Experience

Shadowing at Cisco ARC — Minatoku, Japan | Summer, 2025

- Observed cloud security auditing processes and compliance assessment methodologies for enterprise cloud services
- Learned about Japan's Information Security Management and Assessment Program (iSMAP) certification requirements and audit processes

Café Nota Nova Staff — Odawara, Japan | 2020 – 2022

- Collaborated with team members to serve 200+ customers daily, strengthening adaptability and problem-solving under pressure.
- Managed inventory and produced accurate sales reports, ensuring operational efficiency.
- Delivered responsive customer support, building strong communication and interpersonal skills.

McDonald's Crew Member — Odawara, Japan | 2017 – 2018

- Supported high-volume operations by coordinating food preparation and register management.
- Maintained compliance with health and safety standards.
- Contributed to team success during peak demand through effective collaboration.

Leadership & Activities

- President, Nikkei Student Union (Japanese-American community org, 2024–2025): Leading events, managing club operations, and mentoring peers.
- Cultural Festival Director (2017–2018): Led 36 peers in producing a school play, applying project management and creative leadership to win Grand prize in 2018