Bryce Servis

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Personal Statement

I am extremely passionate about anything related to technology. My thirst for knowledge motivates me, and I know how to teach myself complex concepts to satisfy my curiosity. I love solving complex puzzles and problems with simple, optimized, and effective solutions.

Information Technology Experience

bryceserv.is (2025 – present)

- Built my responsive website using my own modified fork of another open-source website template.
- Deployed the website using Vercel; later migrated to my own cloud infrastructure on Vultr and Cloudflare to mitigate vendor lock in.
- Deployed my own email and Matrix servers alongside my website.
- Created security guidelines and enforced them across my cloud infrastructure.
- Built a Wireguard VPN tunnel to securely connect into my own private cloud intranet from anywhere.

C Programming Language (2025 – present)

- Built my own TCP proxy application, socket programming library, and reimplemented glibc malloc.
- Experience with the JetBrains integrated development environment, CMake, Make, GCC, and Visual Studio Code.
- Completely self-taught through online resources and independent study.

JavaScript Programming Language (2020 – present)

- Created a stock trading simulator through a chat platform that interacted with a MongoDB database to store real-time values and trades.
- Built simple web applications and frameworks.
- Implemented a Diffie-Hellman key exchange without the use of any external libraries.
- Experimented with many web frameworks such as Nuxt, Next, and React.
- Self-taught through online resources.

Java Programming Language (2023 – 2024)

- Tinkered with the fundamentals of the Java programming language throughout my computer science class.
- Outside of the classroom, I'd also tinker with Java's strong object-oriented functionality by creating a simple bytecode interpreter; helping me understand concepts that would be essential for my goal of programming in low-level languages like C.

Homelab (2022 – 2024)

- Purchased a Dell PowerEdge R620, networking switch, and Raspberry Pi after working throughout the summer by helping my father's business put up banners and signs and doing landscaping work for my parents and grandparents.
- Tinkered with technologies such as virtual machines (KVM), PFSense, and Linux.
- Setup my own home intranet through using PFSense, Linux networking, etc.
- Maintained the equipment by regularly cleaning, swapping thermal paste and pads, and replacing failed disks.
- Briefly used SFP fiber optics to provide cheap 10 gigabit networking from my rack to my computer.
- Tinkered with various Linux distributions in my own on-premises server.

Development Software

- Used GitHub to track my projects and deploy my website automatically whenever I made commits when I used Vercel.
- Plentiful experience with Visual Studio Code and JetBrains integrated development environments.
- Experience with deploying applications to the cloud through services like Google Cloud, Vultr, and Cloudflare.

Productivity Experience

Google Productivity Suite

- Well-versed in the usage of Google documents, slides, sheets, and mail.
- Analyzed algorithmic trends from my stock market simulator project in Google Sheets, using many of the built-in functions.

Microsoft Office Suite

- Familiar with the Microsoft Office suite of applications such as Microsoft Word and Microsoft Excel.

Education

Metamora Township High School (2022 – 2026)

- Took AP Computer Science A early as a sophomore.
- Planning on taking a Game Design class in my senior year.
- Cumulative weighted GPA of 3.39.
- Participated in Scholastic Bowl throughout my freshman year; didn’t miss one computer science question.