Dylan Yuma Dodds

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EDUCATION

New York University — GPA: 3.83   New York, NY
Bachelor of Arts in Computer Science; Minor in Business   *Aug 2023 – May 2027*
- Relevant Coursework: Data Structures and Algorithms, Computer Systems Organization.
- Honors: Liberal Studies Dean's Circle.
- Clubs and Activities: ProgTeam (Competitive Programming), BUGS Open Source Club, HackNYU 2025, Japanese and Hong Kong Student Associations.

St. Andrew's School   Middletown, DE
Cum Laude   *Aug 2019 – May 2023*
- Coursework in computer science covering Python, Java, and Swift.
- Clubs: Co-head of the Robotics and Coding Club.

Inspirit AI
Ambassador   *Jul 2021 - Aug 2022*
- One month intensive AI/ML course: developed an NLIP model to predict stock market price sentiment based on tweets.
- Selected as an Ambassador for the program, mentoring peers and promoting AI education to 50+ prospective students.

EXPERIENCE

Software Engineer Intern   Shenzhen, China
Han's Laser   *May 2024 – Aug 2024*
- Designed and implemented full-stack applications in C++ using Qt framework for industrial systems.
- Configured and optimized a TCP/UDP service on a GitLab server, ensuring secure file transfer and data integrity.
- Preformed code reviews on local code libraries, enhancing software quality and performance.
- Provided translation support and joined cross-functional teams in client meetings.

Software Engineer Intern   New York, NY
Global Pal   *June 2022 – Aug 2022*
- Engineered a geospatial data module for an iOS app using Python, integrating Google Maps APIs to enable real-time location tracking and user analytics.
- Assisted in data collection and processing to support market research, applying basic statistical methods to evaluate customer behaviors and preferences.

Financial Analyst / IT Support   Alexandria, VA
DRP Capital   *June 2023 – Aug 2023*
- Conducted market research and data analysis in Excel for 50+ companies, summarizing findings in PowerPoint presentations for senior management.
- Provided IT support including resolving Microsoft 365 compatibility issues between China and US accounts.

PROJECTS

Home Server | *Ubuntu, Apache, Samba*
- Built a resource-constrained embedded Linux system on a Raspberry Pi 4, optimizing performance for low-power hardware by customizing kernel modules and managing systemd services.
- Configured a custom Samba file-sharing application, enabling file access and management across the network.

Personal Portfolio | *Next.js, Markdown, Github Pages*
- Developed a portfolio with Next.js, integrating a Markdown-powered blog engine for SEO-friendly content.
- Built a modular UI using React, TypeScript, and CSS-in-JS (Styled Components).

TECHNICAL SKILLS

Languages: C/C++, Python, Bash, Java, SQL (basic)
Software Development: React/Next.js, Qt (GUI), Object-Oriented Design
DevOps and Cloud: Linux/Ubuntu, AWS (EC2, S3), CI/CD (GitHub Actions), Git
Systems and Security: TCP/UDP Networking, OSI Model, OWASP Security Principles

ADDITIONAL

Spoken Languages: English (Native), Japanese (Native/Advanced), Chinese (Advanced), Russian & Portuguese (Beginner)
Outside Interests: Cybersecurity capture-the-flag (CTF), Brazilian jiu-jitsu, Muay Thai, stocks and crypto investing