

Christopher Jeong

Portland, OR | 971-517-7475 | U.S. Citizen | cjeong880@gmail.com | [LinkedIn](#) | [Portfolio](#)

EDUCATION

Brown University | Computer Science (BS), Mathematics (BS)

May 2026 | Providence, RI

• **GPA: 3.9/4.0**

- Coursework: Data Structures and Algorithms, Distributed Systems, Operating Systems, Machine Learning, Deep Learning, Computer Networks, Cryptography + Security, Compilers, Statistics I + II, Linear Algebra, Optimization, Abstract Algebra

EXPERIENCE

Circle

Sep. 2025 – Nov. 2025

Software Engineer Intern

New York, NY

- Engineering the first **partner-facing** application for the Circle Payments Network in **React/Typescript/Next/Java** enabling payments and RFIs for **26+** partners and **\$5+ trillion** in quarterly transaction volume.
- Developing and integrating compliance workflows **Circle Payments Network** APIs to demonstrate stablecoin transaction times of less than **500 ms** and cross-border payments across **150+** countries and **20+** blockchains.
- Automating **90%** of compliance workflows and achieving **85%** rates of client success through the self-service console. Writing testing suites to achieve **80%** code coverage while ensuring effectiveness and user-friendliness of the Console.

Microsoft

May. 2025 – Aug. 2025

Software Engineer Intern

Redmond, WA

- Developed a **C#.NET + Python MCP SDK** for the **Payments Infrastructure Engineering** team allowing connections to payments telemetries, **Azure** DevOps items, and troubleshooting guides for services processing **\$500 billion** annually.
- Engineered the first **Python agentic code execution** platform hosted on **Azure** enabling agents to query logs and dashboards through an **agentic workflow** now used by **7+** payments teams and **50+** engineers.
- Automating pattern detection of outages and failures throughout the payments stack across **200+** global regions and **100+** different currencies, ensuring **99.99%** uptime for all necessary payments services while streamlining operational costs.
- Deployed **agentic swarms** for **8** different payments providers that automated the mitigation of failures throughout the payments stack across **200+** global regions, ensuring **99.99%** uptime for all necessary payments services while streamlining operational costs.

JPMorganChase

Jun. 2024 – Aug. 2024

Software Engineer Intern

Wilmington, DE

- Developed a **React/Java/Spring Boot** project management tool built on **AWS** tracking status of teams in all lines of business as well as agility metrics and internal mobility opportunities for **1,100 teams** and **35,000** employees.
- Engineered and maintained **RESTful APIs** in order to better coordinate API calls between in-house microservices within a **Java** environment. Reworked API calls to coordinate with the team's shift from **Angular** and a private cloud environment to **React** and **AWS**, ensuring consistency in the back-end during the transition of frameworks.
- Built a **Kafka** data pipeline aggregating data from Jira to derive story progress that provides employees with real-time analyses of Jira stories, optimizing infrastructure for embedded systems.
- Architected a robust testing framework consisting of unit tests, component tests, and performance tests from the ground up using **JUnit** and **Jest**, increasing code coverage to **80%**.

Brown University

May. 2024 – Apr. 2025

Undergraduate Research Assistant

Providence, RI

- Investigated the stochasticity and rationality of various **Large-language Models** and how they impacted retail investors' choices in index funds.
- Engineered a **Qualtrics/Javascript/Python + C#.NET** application on **Azure** that supports queries of **1,000,000+** tokens from **50+** user queries to OpenAI's **o3-mini** model.
- Designed scalable **API** endpoints allowing for participants to query **llama 3.2** in real-time, enabling seamless concurrency of **50+** participants' inputs during experiments
- Developed **C++** infrastructure that load balances and parses queries up to **7,000,000** tokens on a local GPU.

PROJECTS

TCP/IP Stack | *Go, Networking, Wireshark*

Sep. 2024 - Dec. 2024

- Designed and implemented a **TCP/IP** stack in Go that supports routing with the RIP protocol as well as TCP Packet reordering. Developed an API for hosts and routers to send messages and print network status.

Multiple Candidate Voting Protocol | *C++, CryptoPP, Cryptography, SQL*

Apr. 2024 – May 2024

- Formulated a heavily mathematical protocol in **C++** that allows voters to anonymously vote for candidates using zero-knowledge proofs, ensuring votes and user information remain secure during network communication.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, SQL, MySQL, Go, JavaScript, TypeScript, HTML/CSS, OCaml, CUDA

Technologies: React.js, Node.js, Kafka, Spring Boot, Jenkins, Maven, AWS, Azure, Spark, .NET

Developer Tools: Git, Docker, VS Code, Postman, GitHub, BitBucket, Swagger, Redis, Zookeeper