

Brayden Groshong

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EDUCATION

Washington State University

August 2020 – May 2024

Bachelor of Science in Computer Science; GPA 3.68

Pullman, WA

- Honors College
- Coursework: Artificial Intelligence, Graph Theory, Networking, Operating Systems, Advanced Algorithms

EXPERIENCE

Visa

August 2024 – Present

Software Engineer

Denver, CO

- Delivered features for a sophisticated **Java**-based real-time online payment authorization engine, supporting **16M+** transactions per day, while collaborating with cross-functional teams to meet evolving business requirements.
- Designed and implemented a **gRPC** mock service to enable integration testing of a new asynchronous authorization flow and facilitate migration to new payment standard.
- Modularized a monolithic application into microservice-aligned components, enhancing scalability, reducing testing complexity, and accelerating deployments by **40%**.
- Participated in system design, contributed to code reviews, and proactively identified technical challenges, ensuring timely project delivery and high code quality.

Visa

May 2023 – August 2023

Software Engineer Intern

Denver, CO

- Engineered a highly performant **C#** desktop application with **Blazor** that synchronized workflows across 5 teams with diverse project management systems, reducing administrative overhead by 10 hours quarterly.
- Deployed scalable **Kafka** consumer pipelines for offline transaction processing, offloading **90%** of analytical queries from production databases and improving system throughput by **4x** during peak load.
- Leveraged **ML.net** to reduce project repetition by modeling text similarity for automated deduplication in Jira issue creation.

Dell Technologies

June 2022 – August 2022

Software Engineer Intern

Seattle, WA

- Spearheaded development of a lightweight, developer-focused edition of an enterprise **Amazon S3**-compatible storage software, relied on by top **Fortune 500** companies, facilitating 3rd party collaboration and empowering internal development and testing.
- Employed **Kubernetes**, **Docker**, and **Helm** to achieve a **74%** reduction in the product's memory footprint, optimizing performance and resource utilization, and enabling first mobile deployment.
- Recognizing the project's novelty and practical significance, initiated a disclosure of invention to protect intellectual property rights.

PROJECTS

Photosynthesis Research Lab | *Python*

January 2024 – May 2024

- Developed a **Python** visualization and data analysis tool for mass spectrometry, used for experiments in Washington State University's Photosynthesis Lab.
- Designed a highly-efficient consumption algorithm for a proprietary data format.
- Successfully led a 3 developer team and implemented Agile methodology in a semester-long software development project team.

TECHNICAL SKILLS

Languages: Java, Python, Golang, Kotlin, C#, C++, C, Haskell, SQL, JavaScript, TypeScript, Bash

Frameworks & Libraries: Spring Boot, React, Node.js, gRPC, Flask, .NET, Blazor, Karate, JUnit, Pandas, NumPy

Development Tools: Cline, GitHub Copilot, MCP, Postman, GitHub, IntelliJ, VSCode, Jira

Infrastructure & Monitoring: Kubernetes, Docker, AWS, Kafka, MongoDB, Jenkins, Linux, ElasticSearch

Certifications: AWS Certified Cloud Practitioner