



# Cash Ferguson

## Software Engineering Intern

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### STRENGTHS

- Collaborative Team Player**  
Worked closely with peers in coding competitions, cherished for reliably offering support during challenging tasks.
- Analytical Thinker**  
Spotting inefficiencies during discussions led to process improvements integral to team success.
- Effective Communicator**  
Consistently bridged gaps between technical and non-technical stakeholders, fostering collaboration across groups.
- Proactive Learner**  
Regularly sought out new technologies and methodologies, ensuring constant personal development and team growth.
- Creative Problem Solver**  
Presented innovative ideas at project meetings, contributing fresh perspectives that enhanced project outcomes.

### SKILLS

Python Java Git Docker

Kubernetes AWS Terraform

CI/CD Agile methodologies Linux

Networking Troubleshooting

Data Analysis Automation

Frameworks API Design

### LANGUAGES

English Native

Spanish Intermediate

### SUMMARY

Detail-oriented Computer Science student. Hands-on experience in software development and cloud computing. Proficient in Python and Java. Solid understanding of CI/CD pipelines and automation tools. Demonstrated ability to collaborate effectively within a technical team, applying strong analytical and problem-solving skills. Passionate about leveraging technology for enhanced software delivery and operational efficiency. Committed to building connections with peers and contributing to high-impact projects.

### EDUCATION

#### Bachelor's Degree in Computer Science

University of Washington 🎓 GPA: 3.8 📅 2026 📍 Seattle, WA

**Coursework:** *Software Development, Cloud Computing, Data Structures, Algorithms*

### TECHNICAL SKILLS

- Programming Languages:** Python, Java, C#, JavaScript, Go
- Version Control Systems:** Git
- Operating Systems:** Linux, Windows
- Development Methodologies:** Agile
- Containerization:** Docker, Kubernetes
- Infrastructure Tools:** Terraform, Ansible, CloudFormation
- Cloud Platforms:** AWS, Azure, Google Cloud
- Networking Concepts:** TCP/IP, DNS, HTTP, HTTPS
- Observability Tools:** Prometheus, Grafana, ELK Stack
- Scripting Languages:** PowerShell, Bash

### EXPERIENCE

#### Software Engineering Intern

University Project 📅 January 2026 - Present 📍 Seattle, WA

Focused on developing and optimizing CI/CD workflows and supporting automated deployments for various academic initiatives. Collaborated closely with teams to improve overall delivery processes and enhance user experiences through innovative solutions.

- Developed and optimized CI/CD pipelines, improving deployment efficiency by 30%.
- Created automation scripts using Python to streamline testing processes, reducing manual effort significantly.
- Implemented Docker containers for application deployment, enhancing scalability across multiple environments.
- Designed Infrastructure as Code (IaC) solutions using Terraform, enabling rapid environment setups.
- Engaged in Agile practices, participating in sprint planning and code reviews to uphold quality standards.
- Integrated monitoring tools as part of observability initiatives, tracking performance metrics proactively.

#### Cloud Application Developer

Capstone Project 📅 September 2025 - December 2025 📍 Bellevue, WA

Delivered a fully functional cloud-native application designed for extensive user engagement, leveraging modern technologies to ensure a seamless user interface and efficient backend operations.

- Architected a cloud-native application on AWS, serving over 1,000 users seamlessly.

## MY CAREER

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- Software Engineering Intern at University Project (6 Months)
- Cloud Application Developer at Capstone Project (3 Months)
- Research Assistant at Academic Research (4 Months)

- Implemented RESTful APIs in Java, facilitating effective data transactions with external systems.
- Conducted thorough user testing, iterating on feedback for enhanced functionality.
- Utilized Git for version control, maintaining integrity during collaborative efforts.
- Authored comprehensive documentation detailing architecture and protocols for future reference.
- Presented results to faculty, receiving commendations for clarity in technical delivery.

### Research Assistant

Academic Research 📅 January 2025 - May 2025 📍 Seattle, WA

Supported cybersecurity research initiatives by analyzing data sets while automating elements of data collection and presentation, revealing significant trends to enhance project findings.

- Assisted in cybersecurity analysis, identifying vulnerabilities affecting cloud infrastructures.
- Developed PowerShell scripts for data automation, substantially improving research workflow.
- Collaborated with researchers in preparing findings for publication in journals.
- Contributed towards experiment design, enhancing overall quality and accuracy of outputs.
- Participated in weekly reviews, sharing insights on cybersecurity trends.
- Created visual presentations to convey complex research findings to diverse audiences.

### LEADERSHIP & AWARDS

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- Dean's List, University of Washington (2025)
- First Place, Hackathon at University (2025)

### CERTIFICATIONS

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- AWS Certified Cloud Practitioner 📅 2026
- Certified Kubernetes Administrator 📅 2026

### PROFESSIONAL AFFILIATIONS

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- Member, Computer Science Club (2024 - Present)
- Team Lead, University Coding Competition (2025)

### ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

### REFERENCES

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AVAILABLE ON REQUEST