

# Nathanael Simon

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## EDUCATION

### University of Washington

*Bachelor of Science in Computer Science*

Cumulative GPA: 3.4/4.0

Seattle, WA

June 2028

**Relevant Coursework:** Data Structures and Algorithms (CSE 332), Software Design and Implementation (CSE 331), Foundations of Computing (CSE 311), Linear Algebra (Math 208)

## TECHNICAL SKILLS

**Languages:** Java, Python, C, JavaScript, HTML

**Technologies:** Git/GitHub, Flask, RESTful APIs, Authentication, CI/CD, GitHub Actions

**Concepts:** Object-Oriented Design, Data Structures and Algorithms, System Design, Software Testing

## WORK EXPERIENCE

### GoDaddy

Seattle, WA

*AI Intern: Product and Engineering*

June 2025 – Sept. 2025

- Designed and implemented scalable client libraries and automated ingestion pipelines for performance metrics from Kibana and Grafana dashboards. Generated observability reports across 10,000+ hosted sites for weekly SRE Ops Reviews. Reduced manual metric collection time by ~60%, enabling data-driven decision making.
- Developed a YARA Transpiler with a custom reasoning process to standardize 500+ diverse security definitions. Implemented malware grouping to improve detection scalability and reduce manual effort/time for security engineers
- Presented project outcomes to Partners organization (~20 stakeholders), effectively communicating measurable impact to observability workflows and security automation.

### Vieu

Seattle, WA

*Software Development and Machine Learning Intern*

June 2024 – Sept. 2024

- Developed a company canonicalization model to identify and match organizations referenced across 4000+ records, such as case studies, news articles, and LinkedIn profiles.
- Achieved 98% accuracy through iterative prompt engineering and model optimization.

### Interactive Intelligence Research Seminar

Seattle, WA

*Intro Course Student*

April 2024 – Present

- Learned foundational concepts in the fields of neuroscience and machine learning to understand how human intelligence can inspire computational models. Participate in discussions, engage with cutting-edge research, and connect with notable figures in the machine learning and neuroscience fields.

## PROJECTS

### YouTube Music Playlist Migrator

August 2025 – Present

- **GitHub:** <https://github.com/nathansimonproj/yt-music-to-spotify>
- Developed a Flask application that migrates playlists from YouTube Music to Spotify using OAuth 2.0 Authentication, automatic track matching, and batch processing for playlists with 1000+ tracks.
- Built responsive web interface with modern CSS styling, achieving 95% successful migration rate across diverse playlist types and sizes.

## VOLUNTEERING

### Eat Happy, Food Service Volunteer

June 2024 – June 2025

- Coordinated with popular franchises and grocery markets like Crumbl and Kitchen & Market to donate unsold food products to places in need – shelters, camps, etc. Worked in a team of 10 students at Bellevue High School to donate over 500 lbs. of unsold food to homeless shelters and food pantries.