

Nathanael Simon

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EDUCATION

University of Washington, Seattle

Graduating June 2027

BS Computer Science

GPA: 3.5

Dean's List, 4 consecutive quarters

Relevant Coursework: Software Design and Implementation (CSE 331), Data Structures and Parallelism (CSE 332), Data Structures and Algorithms (CSE 373), Foundations of Logical Computing (CSE 311), Linear Algebra (Math 208)

Activities: Rho Innovate Project Lead, Club Soccer Captain, Professional Fraternity: Alpha Kappa Psi

WORK EXPERIENCE

GoDaddy

Kirkland, WA

Software Engineering Intern

June 2025 – September 2025

- Built client libraries (Python, YAML, JSON) to collect metrics from 10,000+ hosted GoDaddy sites across 12 Grafana/Kibana dashboards
- Reduced manual metric collection time by 52% by automatically aggregating 50—100 data points per site
- Implemented CI/CD workflows (GitHub Actions/YAML) to ingest 1000+ metrics into ServiceNow CRM weekly
- Designed an LLM-powered RAG to standardize 500+ malware signatures into YARA rules, reducing security engineer overhead by 30%
- Presented product outcomes to 20+ stakeholders, highlighting quantifiable improvements to SRE Operations and Security
- Developed 3+ slide decks and company pitches using Word and PowerPoint to outline project proposals and impact

Vieu

Seattle, WA

Machine Learning Intern

June 2024 – September 2024

- Developed a company canonicalization model (Python, TensorFlow, OpenAI API) to match 300+ organizations referenced across 4,000+ case studies, LinkedIn posts, and news articles
- Achieved 98% match accuracy over 10+ iterations of prompt engineering and model optimization
- Architected a custom web-scraper using BeautifulSoup to extract/normalize data across 1,000+ LinkedIn Posts

PROJECTS

TrainBetter

November 2025 – Present

- Building a pose analysis pipeline that extracts joint landmarks from sports videos using computer vision
- Implementing 10+ custom biomechanical metrics (knee/hip angle, approach angle, foot stability) to evaluate form and technique
- Designing a JSON-based schema to summarize movement patterns for downstream LLM analysis
- Technologies Used: Python, YOLO, OpenCV, NumPy, Gemini API, JSON, Git, GitHub

YT Music Playlist Migrator

September 2025 – October 2025

- Achieved end-to-end playlist migration from YT Music to Spotify using batch processing for playlists with 200+ tracks
- Integrated Spotify and Google APIs to harness existing systems, dropping latency to under 120ms
- Maintained 95% track accuracy using automatic track querying and album/artist matching
- Technologies Used: Python, Flask, HTML, CSS, Spotify API, GCP, Google API, Git, GitHub

Personal Website

October 2025 – Present

- Designed a personal website to showcase hobbies, experiences, and projects: <https://nathansimonproj.github.io/>
- Technologies Used: React, JavaScript, HTML, CSS, GitHub, Git

SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, Rust, TypeScript, React, Swift, Kotlin, C

Tools: Microsoft Office Suite, Figma, Linux, Excel, Node.js, Git, GitHub, GitLab, Docker, Agile

Concepts and Interests: UI/UX, AI/ML, Data Structures and Algorithms, Object Oriented Design, CI/CD, Machine Learning, REST APIs, Wellness Tech, Business Analysis, LLM applications, Automation, Security, RAG