

Andy Nguyen

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EDUCATION

Oregon State University

Bachelor of Science in Computer Science, Minor in Statistics | GPA: 3.92

Corvallis, OR

Expected June 2027

Oregon State University

Master of Engineering in Computer Science (AMP)

Corvallis, OR

Expected June 2028

PROFESSIONAL EXPERIENCE

Cloud Infrastructure & DevOps Intern

Jan. 2026 – Sep. 2026

Stantec

Portland, OR

- Spearheaded Microsoft AI agents governance across 150 landing zones (300 subscriptions), developing automated PowerShell scans to audit 20+ AI agents daily, and authoring Azure Policies enforcing network and data security.
- Engineered a self-service permission management REST API on Azure Functions, integrating Microsoft Graph and OAuth 2.0 delegated authentication to automate SharePoint access requests and reducing turnaround by 95%.
- Migrated legacy ARM templates to Bicep and developed PowerShell automation with KQL queries and REST APIs for daily security and compliance monitoring, testing and deploying both through Azure DevOps CI/CD pipelines.

AI/ML Research Intern

Jun. 2026 – Aug. 2026

Oregon Health & Science University

Portland, OR

- Researched algorithmic fairness and bias in LLMs at OHSU's Ethical AI in Healthcare Lab, auditing zero-shot LLM extraction for equalized odds disparities across sex-based subgroups in clinical text data.
- Constructed gold-standard phenotype labels in Google BigQuery using SQL, collapsing 2,276 multi-annotator records into 844 labels joined against MIMIC-III database notes, resolving conflicting and duplicate annotations.
- Built a resumable Python inference pipeline to evaluate LLM phenotype extraction using local 4B-parameter Ollama models and secure heavyweight AWS Bedrock models over 844 de-identified ICU discharge summaries.
- Diagnosed and resolved context-overflow, JSON schema, and prompt-calibration issues through iterative testing, improving depression phenotype detection rate from 48% to 23% against a 28% ground-truth base rate.

Peer Tutor

Oct. 2024 – Present

TRIO Student Support Services - Oregon State University

Corvallis, OR

- Provided individual tutoring and designed personalized learning plans for students within the TRIO SSS program, serving a cohort of 400+ from disadvantaged backgrounds with programming, calculus, and statistics courses.

PROJECTS

NBA Three-Point Shot Trend Dashboard | *R, R Shiny, ggplot2, plotly, bslib, tidyverse*

- Engineered an interactive data dashboard using R Shiny to analyze 14 million NBA play-by-play records across 24 seasons, enabling dynamic filtering by team and season to surface trends in shot selection and performance.
- Cleaned and transformed raw large datasets into aggregated data structures, reducing data load time significantly, and developed interactive plotly charts with custom tooltips to communicate three-point shot metrics to users.

LEADERSHIP & AWARDS

President

Society of Asian Scientists and Engineers (SASE)

- Grew active membership by 80% to 100+ students, establishing SASE as one of the largest organizations on campus while directing executive board operations and representing OSU at regional and national levels.
- Led 20 professional development events annually and funded travel for 12 members to national SASE conferences.

Aspen Ideas: Rising Generations Fellow

Aspen Institute & Bezos Family Foundation

- Selected as one of 350 young leaders nationally to attend the inaugural youth-centered Aspen Ideas Festival, recognized for commitment to community impact, civil dialogue, and work at the intersection of AI/technology.

TECHNICAL SKILLS

Languages: Python, SQL, R, C/C++, JavaScript, HTML/CSS, PowerShell, Bicep, KQL

Tools: Git, Azure, Azure DevOps, GitHub, AWS, GCP, Power BI, Tableau, Figma, Vercel, ServiceNow