Andy Nguyen

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EDUCATION

Oregon State University — Corvallis, OR
Bachelor of Science in Computer Science — *Expected June 2027*
Minor in Statistics

GPA: 3.92 | Dean's List: Fall 2023 - Present

Relevant Coursework: Object-Oriented Programming, Data Structures, Algorithms, Databases, Web Development

PROFESSIONAL EXPERIENCE

Cloud Infrastructure & DevOps Intern — Jan. 2026 – Present
Stantec — *Portland, OR*
- Modernized and built cloud infrastructure using Bicep, migrating legacy ARM templates and creating new infrastructure-as-code solutions with automated provisioning across multiple environments.
- Developed PowerShell automation solutions integrating security tooling with cloud APIs to enable proactive vulnerability scanning and compliance monitoring, leveraging KQL queries for log analysis across infrastructure.
- Tested and deployed infrastructure changes through Azure DevOps CI/CD pipelines across multiple subscriptions, managing release workflows with approval gates and privileged access controls in production environments.

AI & Data Analytics Extern — Pfizer (Supply Chain) — Feb. 2026 – Present
Extern — *Remote*
- Built AI pipelines to process pharmaceutical vendor files using OCR (Tesseract, PaddleOCR) and RAG for automated extraction and classification, reducing manual effort and enabling scalable document handling.
- Developed a RAG-based document retrieval system with LlamaIndex, optimized with chunk tuning and open-source LLMs (Mistral, Phi-2), achieving faster and more accurate search across thousands of documents.
- Evaluated system performance (OCR accuracy, retrieval quality, routing) and delivered a technical report outlining optimization strategies and deployment recommendations, with a UI built to showcase the final system.

Peer Tutor — Oct. 2024 – Present
TRIO Student Support Services — *Corvallis, OR*
- Provided individual and small group tutoring for students within the TRIO SSS program, serving a cohort of 400+ with diverse backgrounds, including first-generation students, low-income students, and students with disabilities.
- Designed personalized learning plans and study strategies for students across computer programming, calculus, and statistics courses, adapting teaching methods to individual learning styles and academic goals.

PROJECTS

NFL Games Predictor | *Python, Pandas, NumPy, scikit-learn*
- Built and validated a logistic regression model using NFL play-by-play and box score data, achieving 71% prediction accuracy via 5-fold cross-validation.
- Preprocessed and merged multi-source datasets and engineered offensive/defensive features using Python (Pandas, NumPy) and scikit-learn, enhancing model accuracy and predictive power for probability-based game predictions.

Personal Portfolio Website | *Next.js, React, Tailwind CSS, Framer Motion, Vercel*
- Developed and deployed a responsive, visually appealing personal portfolio website on Vercel with Next.js and React, styled with Tailwind CSS and enhanced with Framer Motion animations for interactivity and accessibility.

LEADERSHIP EXPERIENCE

President — May 2024 – Present
Society of Asian Scientists and Engineers (SASE) — *Corvallis, OR*
- Directed executive board operations and strategic initiatives while representing Oregon State University at a regional and national scale—contributing to a 71.4% active membership within a 1,000+ member organization.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS, R, Bicep, Powershell
Frameworks/Technologies: React, Next.js, Express, Node.js MongoDB, Vercel
Tools: Git, GitHub, Azure, VS Code, Visual Studio, Power BI, Tableau, Figma, ServiceNow