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, Software Engineering, Methods of Data Analysis, Mathematical Statistics

PROJECTS

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

Personal Portfolio Website | *Next.js, React, Tailwind CSS, Framer Motion, Vercel*
- Developed a responsive, visually appealing personal portfolio website with Next.js and React, styled with Tailwind CSS and enhanced with Framer Motion animations for interactivity and accessibility.
- Integrated Web3Forms API to handle secure, automated contact form submissions from visiting users.
- Deployed the site on Vercel for reliable hosting, seamless updates, and optimized performance.

Cave Adventure Escape Game | *C++, GDB*
- Developed a cave escape and survival game in C++ utilizing the four pillars of Object-Oriented Programming
- Implemented a modifiable 2D cave grid system using vectors, applying OOP principles (polymorphism, inheritance) to handle user interactions.

EXPERIENCE

President   May 2024 – Present
Society of Asian Scientists and Engineers at OSU   *Corvallis, OR*
- Oversaw executive board operations by coordinating officer responsibilities, setting club initiatives, and leading weekly board meetings—resulting in a 71.4% increase in active membership and Big/Little mentorship program
- Represented Oregon State University at national and regional SASE leadership meetings, actively participating in West Regional Calls, National All Calls, and meetings with the Regional Manager
- Created and distributed official announcements and weekly newsletters to keep members informed and engaged.

Peer Tutor   Oct. 2024 – Present
TRIO Student Support Services at OSU   *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
- Formulated effective and tailored learning plans and study strategies for students desiring assistance with college courses including programming, calculus, and statistics
- Collaborated with faculty and fellow tutors to assure program objectives and learning outcomes are maintained

Youth Leader   July 2021 – Present
Our Lady of Lavang Parish   *Happy Valley, OR*
- Led planning and coordination of large-scale youth retreats and summer camps, managing weekly meetings to ensure smooth logistics and high participant satisfaction.
- Mentored and supported individual youth by leading group activities, fostering community, and providing individual guidance in a safe and welcoming environment.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS, R, x86 Assembly
Frameworks/Technologies: React, Next.JS, Express, MongoDB, Vercel
Tools: Git, GitHub, VS Code, Visual Studio, Power BI, Tableau Figma, Microsoft Office 365