

# An H. Nguyen

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## EDUCATION

### University of Oklahoma

M.S. in Computer Science (Accelerated with B.S.) | GPA: 4.0  
B.S. in Computer Science & B.A. in Mathematics | GPA: 3.76

Norman, OK

Expected: Fall 2026  
Expected: Fall 2025

## EXPERIENCE

### Paycom

Software Development Intern

Oklahoma City, OK

May 2024 – Present

- Collaborated closely with PM, UX, and QA teams to expand and maintain Paycom's internal tools and systems
- Designed, created, and tested full-stack web applications using PHP, JavaScript, TypeScript, and MySQL
- Improved scalability and abstraction by developing components in React
- Enhanced logging granularity, increasing actionable error coverage by 40%
- Built an internal proxy service to reveal black-box vendor behavior and streamline background check workflows

### Tinker Air Force Base (DoD)

Software Engineering Intern

Oklahoma City, OK

May 2023 – November 2023

- Collaborated with PM, UX designers, back-end developers, and security teams to support DoD software systems
- Resolved UI bugs and implemented feature fixes, reducing internal bug reports by about 30%
- Wrote unit tests using JUnit and participated in peer reviews for secure, maintainable code
- Contributed to security compliance efforts aligned with STIGs and RMF, supporting successful audit readiness

### Undergraduate Research

Undergraduate Researcher

Norman, OK

August 2023 – January 2024

- Collaborated multiple times a week with an engineering professor and mentor to conduct an SLR paper
- Analyzed research articles to explore the use of AI/ML in Racing Games
- Presented research at the American Society for Engineering Education (ASEE) conference

## PROJECTS

LeetCode AI Tracker Extension | React, TypeScript, Node.js, PostgreSQL, OpenAI API, Prisma, AWS, Git

May 2025 - Present

- Full-stack productivity tool with AI code feedback and user-specific recommendations
- Built a Chrome extension and interactive dashboard to track LeetCode progress, insights, and personalized notes
- Deployed Backend API and PostgreSQL using AWS ECS and Amazon RDS for scalable, cloud-hosted infrastructure

Business Finance Dashboard | TypeScript, MongoDB, Express, React, Node.js, Git

December 2024 – March 2025

- Developed a financial analytics dashboard using the MERN stack to visualize complex datasets and trendlines
- Implemented a simple regression model to predict yearly revenue, designed for integration with real business data

OU Class Finder | JavaScript, HTML5, CSS3, Git

April 2023

- Created a static web application to map curriculum paths and dynamically render degree requirements
- Implemented a responsive UI with modular components and interactive navigation for course selection

## ACTIVITIES AND LEADERSHIP

### Vietnamese Eucharistic Youth Movement

Youth Leader, Lion Dancer

Oklahoma City, OK

Aug 2014 – Current

- Cultivating faith, leadership, and responsibility among +60 children through religious and cultural education
- Fundraise for the church through lion dancing every Lunar New Year.

## SKILLS

**Proficient:** Python, Java, PHP, [React.js](https://reactjs.org/), TypeScript, JavaScript, Git

**Intermediate:** C, C++, R, SQL, .NET Frameworks, Bash, Linux, MySQL, PostgreSQL, MongoDB, [Node.js](https://nodejs.org/),