

Tyler Nguyen

Address: 15245 Destination Drive, Noblesville, IN, 46060 **Emails:** nguyet789@purdue.edu || nguyenthyler@gmail.com

EDUCATION

Purdue University Junior - West Lafayette, IN
Computer Science Honors B.S. || Honors College
Minors: Spanish, Japanese

Expected Graduation Date: 2026
GPA: 3.94 / 4.00

Relevant Coursework

Completed: Honors Multivariate Calculus, Elementary Linear Algebra, Computer Architecture, Data Structures and Algorithms, Statistical Methods, Systems Programming, Fundamentals of Computer Graphics

Currently Enrolled in: Numerical Methods, Intro to the Analysis of Algorithms, Data Mining & Machine Learning

Awards/Certifications: Dean's List and Semester Honors || Intercultural Competence Passport Project

PROJECTS

BIOL (Project Partner Liaison) **Fall 2024-**

- Refine Flutter app to improve a biology-focused quiz program intended for Baltimore City K-12 students
- Communicate with community project partner to ensure desired functionality and to address any concerns

Shell Program **Spring 2024**

- Developed a shell, using C++, lex and yacc, to mimic the Bash shell to investigate lower level functionality of Linux

Tutor Messaging System **Fall 2022**

- Created a Java server and client to allow students and tutors to remotely message other users
- Collaborated with a small team to set goals and partition tasks

WORK EXPERIENCE

SMC (Noblesville, IN) - Strategic Planning Intern **June 2024 - August 2024**

- Crafted a cleaned dataset of customer location data to enhance salespeople's efficiency
- Programmed Excel Script to format data quicker

Purdue University (West Lafayette, IN) - Teaching Assistant **Jan 2024 - May 2024 | Aug 2024 - Current**

- Guided students patiently towards understanding key concepts about computer architecture in lab, online discussion forum and office hours

Synopsis (Lima, Peru) - Study Abroad Intern **May 2023 - July 2023**

- Investigated RPA tools RocketBot Studio and UiPath Studio through developing programs and manuals
- Designed an employee management system prototype that allows users to chat with a bot to create, view, modify and delete an account
- Deployed an AWS virtual machine to run as a RocketBot instance and utilized Python scripts

EXTRACURRICULARS

Boiler Gold Rush - Team Leader **Summer 2023**

- Led freshmen around the Purdue campus and eased college transition

University Residences Multicultural Connections - Peer Educator **Fall 2022 - Current**

- Collaborates with student leaders to plan events creating a more inclusive environment on campus

SKILLS

Programming Languages: Proficient in Java, C || Comfortable with C++, Python, Javascript, HTML, CSS
Dev Tools: RocketBot Studio || Some familiarity with Linux, Git, UiPath Studio, AWS, React and Node.js