Tuan Nguyen

405-326-5015 | tuannguyen08426@gmail.com | linkedin.com/in/tuanpnguyen | github.com/tuann72 | tuannguy.com

EDUCATION

University of Oklahoma Norman, OK
Accelerated B.S./M.S. of Science in Computer Science, Minor in Math; GPA: 3.66 *Anticipated Fall 2026*
Relevant Courses: Data Structures, Discrete Structures, Programming Structures/Abstractions, Intro to Operating Systems, Intro-Ordinary Diff Equations

TECHNICAL SKILLS

Languages: Python, R, C++, Javascript, Typescript, HTML/CSS
Libraries: ReactJS, Pandas, BeautifulSoup4, Selenium, NumPy, Tkinter, CustomTkinter
Framework: NextJS, Jest, Flask
Tools: Git, GitHub, Jupyter Notebook, Docker, Figma, Firebase, Unix

PROJECTS

Quick Stick | https://github.com/tuann72/quick-stick *Aug 2024 - Sept 2024*
- Developed a Windows sticky note application inspired by MacOS Stickies utilizing **Python** and **CustomTkinter** and **Pillow** libraries.
- Designed an intuitive UI for users to create, edit, and delete sticky notes.
- Implemented color customization, drag-and-move functionality, and text formatting options from scratch.

OU Mapz | https://github.com/tuann72/ou-mapz *Mar 2024 - May 2024*
- Led a team of 6 developers in the development of a fullstack web application aimed to provide OU students a centralized app to create, find, and engage with OU events.
- Built a webscraper API to scrape data from OU Engage and store it to **Firebase** with **Python** and **Selenium**.
- Designed reusable widget components in **Javascript** and **CSS**.

Geography Learner | github.com/tuann72/geography-learner *Mar 2024 - Apr 2024*
- Designed a geography learning web app to test knowledge over country flags and shapes with **Typescript**, **NextJS**, and **Tailwind CSS**.
- Developed a web scraper to extract 100s of country flags, shapes, and names from different sites using **BeautifulSoup4** and **Selenium**.
- Implemented back end functionality and a data API with **Python** and **Flask**.

EXPERIENCE

University of Oklahoma Norman, OK
Undergraduate Research Assistant *Jan 2024 - Present*
- Developing a novel graph-based feature selection method that is robust and scalable to large single-cell RNA-sequencing data in **R**.
- Presented at the International Society of Computational Biology, the leading professional society for participants in the field of computational biology and bioinformatics.

Hacklahoma Norman, OK
Competitor *Feb 2024*
- Designed AR-D, a robot-brick phone made of Arduino components.
- Coded functionalities such as wheel and arm movement with **C++**.

Speech & Debate Moore, OK
Mentor, Volunteer *Aug 2019 - Nov 2023*
- Organized and coordinated Moore High School Speech & Debate Tournaments.
- Judged over 41 speech and debate rounds.

Little Event Oklahoma City, OK
Volunteer *Oct 2023*
- Transported 100s of medical supplies and hygienic goods for Reaching Our City Inc.
- Helped maintain a garden involving the removal of unwanted plants and trimming of hedges.