

KEVIN TRAN

626-716-2929 • 19kevintran@ou.edu • <https://www.linkedin.com/in/kevin-tran-ra9/> • <https://github.com/19kevintran>

EDUCATION

Accelerated B.S/M.S. Computer Science, University of Oklahoma
Gallogly College of Engineering

Graduating Dec 2024
3.81 GPA

Achievements: William Kerber Scholar, AI/ML Scholarship, Transfer Academic Excellence Scholarship, Presidents Honor Roll, Deans Honor Roll

Relevant coursework: Artificial Intelligence, Algorithm Analysis, Data Structures, Programming Structures and Abstractions, Software Engineering, Computer Science Capstone, Operating Systems, Computer Security, Computer Architecture, Computer Organization, Theory of Computation, Ordinary Differential Equations, Linear Algebra, Applied Statistical Methods

TECHNICAL SKILLS

Tools: Docker, Podman, Git, GitHub, GitLab, Figma, Google Cloud Platform, MongoDB, Azure, Eclipse, Visual Studio, Visual Studio Code, RedHat Enterprise Linux, Atlassian Tools, Microsoft Office, PyCharm, Prometheus, Node Exporter, cAdvisor, Pushgateway, Alertmanager, Grafana, CMake, SketchUp

Programming: Python, C, C++, Java, HTML5, CSS, JavaScript, TypeScript, RESTful API, React, NodeJS, gRPC, Dart, Flutter, SQL, R, Visual Basic

EXPERIENCE

Software Engineer Intern | L3Harris Technologies, Plano, TX

May 2023 – July 2023

- Collaborated closely with peers in a scrum team following full agile methodology to develop software in Space and Airborne Systems/DevOps
- Investigated gRPC framework and rich error handling model capabilities by creating gRPC-based microservices in C++
- Developed a containerized monitoring solution for software engineering teams, which is actively used within the company to monitor server and container metrics (Prometheus, Node Exporter, cAdvisor, Pushgateway, Alertmanager, Grafana)

William Kerber Scholar Teaching Assistant | University of Oklahoma, Norman, OK

Aug 2022 – Present

- Chosen out of many candidates for consideration to join the William Kerber Scholars group and serve as William Kerber Scholar Teaching Assistant for the School of Computer Science
- Assisting students in grasping computer science course concepts effectively, while also offering personalized guidance on coding projects and homework assignments (Java, C++, C)
- Tutoring courses: Intro to Programming, Programming Structures and Abstractions, Data Structures, Discrete Structures, Computer Organization, Principle of Programming Languages, Operating Systems, Software Engineering, and Theory of Computation

ACADEMIC PROJECTS

Real-Time Sign Language Object Detection

March 2022

- Trained an object detection model to identify multiple different sign languages using TensorFlow YOLO Object Detection model (Single Shot Multibox Detector), OpenCV, and Python
- Hosted workshop for the Artificial Intelligence Organization at the University of Oklahoma

CAGE Inventory Management System

Aug 2022 - Dec 2022

- Allow individuals or business professionals to keep track of any personal and/or business inventory
- Designed UI/UX using Figma
- Developed user-friendly front-end web app using HTML/CSS and TypeScript

NOTAM Alert System

Jan 2023 – May 2023

- Enable individuals, commercial, and private pilots to conveniently access organized, sorted, real-time NOTAM alerts in a user-friendly format, using the Random Forester Regression machine learning model to categorize and assign criticality scores to each NOTAM based on important NOTAM information

TOTP QR Code Double Verification Mobile App

Jan 2023 – May 2023

- Ensure the authenticity of two entities using asymmetric cryptography, certificate authority, QR codes, and time-based one-time passwords

AFFILIATIONS/ EXTRACURRICULAR

American Indian Science and Engineering Society (AISES)

Member

Aug 2022 - Present

Artificial Intelligence Organization at the University of Oklahoma (OUAI)

Vice-President Internal

May 2023 - Present

- Assist the president in the overall management of the organization, as well as university leadership-related manners
- Along with the president, check in on and delegate tasks to other officers
- Plan and organize for the upcoming 2023 OUAI symposium

Treasurer

Aug 2021 - May 2023

- Managed organization funds and financial-related matters
- Planned and organized 2021 and 2022 OUAI symposium