Connor Scally

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Education

Bachelor of Science in Computer Science | University of Texas at Dallas **Graduation:** May 2025

Relevant Coursework: Systems Programming, Computer Architecture, Computer Science II, Software Engineering, Advanced Algorithms I & II, Linear Algebra, Electromagnetism and Waves, Calculus I - III, Prob & Stats, Digital Circuits, Digital Systems, Discrete Math I – II, Computer Networks, Programming Paradigms, Operating Systems and Unix, Artificial Intelligence, Automata Theory, Digital Forensics, Database Systems

Technical Skills

Programming Languages: JavaScript/TypeScript, React, Java, Python, C/C++, Obj-C, C#, Swift, HTML/CSS/TS, Prolog, Racket

Certifications: CompTIA A+ Certified, Adobe Certified Associate

Frameworks and Tools: AWS, SageMaker, Flask, Jupyter, Pandas, Git/GitHub, UNIX, Figma, UML Notation, Agile, TensorFlow, Tailwind, Expo, Docker, Podman, Postman, NVIDIA Developer Kit, M365, LLMs, SLMs, ML/AI, Docker, SharePoint (SPFX), Apache/Apache2, Bitnami, Postman, mySQL, MongoDB

Projects

Artificial Intelligence Society - AIM January 2023 -–Present

ChessVision is an application that takes an image or live-video and instantly analyzes the position and make predictions using ML

- Joined a team of 4 undergrads to understand and apply ML models, ***AWS*** technologies, ***SDLC***, ***agile scrum***.
- Trained ***SVM, CNN, Random Forest*** models to classify the chessboard using ***AWS*** and a chess dataset of ***10,000+*** games.

Nova Autonomous Driving Project August 2021 – Present

Nova is an applied self-driving-vehicle project composed of undergraduate students at the University of Texas at Dallas.

- Managed virtualization and development platform for a 14-member team utilized for training in-house **machine learning** algorithms. Assumed typical **Sysadmin** role for primary project development machine. (Security, Backups, etc.)
- Ensured portable codebase by optimizing virtualization server and vehicle for **Docker** and **NVIDIA Container Toolkit**.
- Utilized a variety of simulation environments and toolsets to create an accurate form of virtualization before stack deployment to vehicle.

ACM Education Mentorship Program Sep 2024 – Dec 2024

Assumed mentorship role for three computer science mentees in the UT Dallas chapter of the Association for Computer Machinery.

- Assisted mentees in following Udemy courses throughout the semester.
- Guided mentees in scholastic and workforce focused areas, answering questions and providing advice when needed.

Work Experience

Toyota North America | Plano, TX May 2024 – Present

Summer, Fall, and Spring Full-Stack OneTech Co-Op - Intelligent Automation

- Developed fully embeddable AI-Vision based image/LucidChart processing application for automating IaaS deployment and improving Infrastructure Engineering productivity.
- Developed homepage for the Intelligent Automation team. Indexed Confluence and SharePoint files for search functionality on site to make the webpage a one-stop-shop for all team resources.
- Developed additional GenAI/ML based PoCs on behalf of the Intelligent Automation team.
- Developed firewall request automation portal in ServiceNow for the Infrastructure Automation Engineering team.
- Developed F5 virtual server automation system to allow for the creation of virtual servers and automatic certificate deployment.
- Developed internal automation and tools portal for the Infrastructure Automation Engineering team to serve as a one-stop-shop for commonly used automations and utilities.
- 2024 Toyota SWARM Global Hackathon Semi-Finalist.