

Elyas Belkhir

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EDUCATION

The University of Texas at Dallas

B.S. in Computer Science, 3.4 GPA

Richardson, TX

Expected Graduation: Dec 2024

- **Organizations:** Association of Computing Machinery
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Database Systems, Systems Programming (UNIX), Computer Architecture

SKILLS

Languages: Java, Python, C/C++, Go, JavaScript/TypeScript, SQL, HTML/CSS

Tools & Frameworks: AWS, Git, Docker, Linux/Unix, Flask, Django, React, Azure, Heroku, Firebase

Certifications: AT&T 2023 Technology Academy, MTA Java, MTA Software Development Fundamentals

EXPERIENCE

iCode | *Technical Lead*, Wylie, TX

Sep 2023 – Present

- Taught a robotics curriculum to a classroom of 3+ students, fostering problem-solving skills and creative thinking
- Optimized VEX robotics setups, enabling students to construct and program robotic systems
- Coordinated effectively with instructors and showcased excellent communication skills essential for assisting and comprehending student needs

AT&T | *Technology Academy Externship*, Remote

Jul 2023 – Aug 2023

- Gained exposure to Agile Methodologies navigating both scrum/kanban frameworks for efficient development
- Acquired a deep understanding of cloud computing architecture and use cases

Walmart | *Front End Services Associate*, Wylie, TX

Jul 2020 – Nov 2020

- Troubleshooted self-checkout POS systems decreasing customer wait time by 50% gaining firsthand experience with user-focus interface design
- Provided support to 100+ customers daily developing skills in customer service needed in client-facing roles in tech

PROJECTS

Census Salary Prediction REST API

Python, Flask, AWS, Docker, Pandas, Scikit, Git

- Trained a machine learning model leveraging U.S census salary data using 30,000+ records
- Utilized Pandas for data manipulation and Scikit-learn for model training achieving a prediction accuracy of 84%
- Developed a RESTful API designed to handle JSON requests built with Flask and tested with Postman
- Containerized with Docker and deployed through AWS EC2 allowing for under 300ms API calls on the web

Facility Pulse – HackSMU V

Swift, Python, Firebase, Flask

- Collaborated with a team of 4 to create a Swift IOS application that displays system status through widgets
- Spearheaded the creation of an ML model capable of predicting a facility system's next service time
- Secured 3rd place in the CBRE sponsor challenge, outperforming 20+ competing projects

Video Game Library

Python, Django, JavaScript, HTML, CSS

- Created a web application that allows users to keep a list of games with ratings and date played
- Utilized Django to create data models, serialize models, and create views for the data
- Built a REST API using Django REST framework capable of handling GET, POST, and DELETE requests

Portfolio Website

React, CSS, GitHub Pages

- Engineered a responsive portfolio website using React demonstrating component-based architecture
- Implemented client-sided routing to deliver a single-page user experience spanning differently rendered content

ACTIVITIES AND AWARDS

- **Academic Excellence Scholar**, Earned \$52,000 scholarship for academic performance
- **Men's Volleyball Club Co-Founder**, Established high school volleyball club for 15+ members