

Dean Francis Tolero

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EXPERIENCE

Software Engineer Internship – Vibez Family Management

2025 - 2025

- Designed and deployed multiple websites (MoVlogs.com, MakeFym.com, MommyMo.com) using modern web technologies, ensuring responsive design and scalable performance.
- Automated LinkedIn outreach using Python scripts to scale client acquisition, enabling efficient cold reach and reducing manual workload.
- Built a Python application to analyse international phone numbers, automatically identifying country of origin and related metadata to enhance data accuracy.

Math Tutor

2023 - 2024

- Delivered comprehensive instruction in Pearson Edexcel A-level Pure Mathematics and Mechanics, resulting in 8000+ AED in teaching income.
- Established effective communication channels with students and parents, building a loyal client base that generated consistent income and referrals.

Teacher Assistant

2021 - 2022

- Assisted Computer Science faculty at GEMS Winchester School Dubai as a Teaching Assistant, providing specialized support in programming concepts and helping students develop stronger technical foundations.
- Collaborated with instructors to develop and implement effective exam preparation strategies, enabling students to better understand computer science fundamentals and improve their academic outcomes.

PROJECT

AI and Feature Selection: IEEE PhD Paper Collaboration

2025 - Present

- Implemented and tested multiple feature selection methods (chi-square, mutual information, Lasso, RFE) using Python.
- Evaluated algorithmic complexity and computational efficiency of various feature selection algorithms.
- Conducted an empirical study on the effectiveness of feature selection using various classifiers and datasets.

RFID-Attendance-Scanner

2024 - 2025

- Successfully developed and sold a web-based RFID attendance system for schools, generating approximately 1,000 AED in revenue.
- Developed a web-based RFID attendance system for schools with real-time student tracking and automated parent notifications.
- Designed and maintained the database using MySQL to manage student and attendance data efficiently.
- Implemented the backend with Node.js and Express.js, facilitating smooth interaction between the server and frontend.

AI Chatbot for PDF Q&A

2023 - 2024

- Developed an AI chatbot that answers questions from PDF files using LangChain and Google Gemini.
- Implemented PDF parsing, document chunking, and FAISS vector store for context-aware retrieval.
- Built a real-time chat interface with Streamlit, supporting both file uploads and PDF URLs.

EDUCATION

Canadian University Dubai, Dubai, United Arab Emirates

Bachelor of Science in Computer Science

Expected Graduation 2026

- GPA: 3.8 / 4.0, Dean's List
- Awards: Winner, 1st Place – University Coding Competition (2022)

SKILLS & OTHER

Skills: Python, Java, C, HTML, CSS, JavaScript, MySQL, Node.js, Linux, WordPress

Work Experience: worked for FiveCurrents during EXPO 2020 and with Mubadala in Abu Dhabi