

Daniel Michel

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Education

Misr International University-BSc in Computer Science AI Major Sept 2022 – present

- Extra curricular activities:

- Tuners Club MIU Musician and Head of HR and Operations
- ACPC Club MIU IT Co-Head
- IEEE-SB MIU club R&D member

- Awards:

- Best project award in Problem solving (class of 190 students).
- First place in the IEEE SB club arduino line follower competition.

Experience

Workshop Instructor - Intro to AI using Python IEEE club MIU

- Designed a 1 month long Intro to AI using python course.
- Worked with 15 students to better develop their understanding of programming and ML/AI Topics

Full stack Developer iLamp Marketing & Software Solutions Agency

- Worked directly with clients to build and engineer Requirements.
- Used the PERN stack to build and ship Multiple Backend and Frontend Features for a client according to Requirements

ECPC 25 Competitor ACPC Club MIU

- Competed in the ECPC '25 held in Alexandria, Egypt.

Lab Assistant Misr International University

- Assisted TAs in labs and tutorials for programming and data structure courses, providing student support and clarifying concepts.

Projects

The Homelab

- Used **portainer** on an Ubuntu server to setup a container environment for multiple home services. (**CI/CD pipelines**, DNS and DHCP servers, reverse proxies for **Nginx**)

The Code Beacon Project

- A microservice application that integrates with **static code analyzers and continuous inspection**.
- Developed a Discord bot in TypeScript to send real-time notifications to Discord servers.
- Built a TypeScript Webhooks API for static-analysis events using **RabbitMQ** queues.
- Implemented Discord OAuth 2.0 with JWT for user registration, authentication, and authorization.

Mini custom Compiler

- Developed a simple custom mini-compiler in C++ with reduced syntax, including parsing, lexing, and AST generation.

Would love to talk about many of the other interesting side projects.

Technologies

Languages: C++, python, Javascript, Typecript, Dart/Flutter

Technologies: ExpressJs, NodeJs, RabbitMQ, SQLite, MySQL, PostgreSQL MongoDB, SFML & TGUI, Docker, Figma, Trello, Jira, Git, NGINX, LaTeX.