

# Daniel Michel

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## Education

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**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

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**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

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**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

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

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