

Abdelrahman Ahmed

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EDUCATION

B.Sc Electrical Engineering

MTI University

Sep 2024 - Present

EXPERIENCE

Software Engineering Intern

Software Techies, Belgium · Remote

Jun 2023 - Sep 2023

- Worked on optimizing a Node.js backend serving thousands of users, migrating it from JavaScript to TypeScript, and developing web scraping and data processing tools in GO to automate tasks and streamline workflows for engineers.

Software Engineering Intern

Software Techies, Belgium · Remote

Jun 2022 - Sep 2022

- Collaborated with senior engineers on full-stack development projects, leveraging Node.js (with TypeScript), to design and implement scalable, efficient solutions.

SKILLS

Programming

Languages

Technologies

& Tools

Human Lan-

guages

Python, C, x86 Assembly, Javascript, Typescript, Go

Linux, Git, Vim, Firebase, SQL, DigitalOcean

Arabic, English

PROJECTS

Radioactive decay simulator *Python*

<https://github.com/katerib/radioactive-decay-sim>

Developed a simulator to model radioactive decay, calculate half-lives, and predict gamma ray emissions. Implemented precise mathematical modeling to simulate decay processes and visualize results, enhancing understanding of nuclear physics concepts.

Minimal Lisp-like Interpreter in C *C, make*

<https://github.com/bitboody/lispb>

Built a minimal Lisp-like interpreter in C with support for arithmetic, conditionals, user-defined functions, and a custom evaluation engine. Extended the language with logic operators, string handling, and variadic functions using AST parsing and dynamic memory management.

Necromancer *Node.js*

<https://github.com/bitboody/necromancer>

Developed a proof-of-concept TCP reverse shell and botnet in Node.js, commonly used as a Remote Administration Tool (RAT) for managing multiple systems and testing remote system security.