

IBRAHIM ABOU ELENEIN

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EDUCATION

Bachelor of Computer Engineering & Science, German University at Cairo

Sep 2019 - June 2024 (Expected)

SKILLS

Python, Java, JavaScript, Django & Drf, MongoDB, PostgreSQL, OOP, Database Design, Unit Testing, CI/CD, Docker, Git/Github, Design Patterns, Linux, Algorithm Design, Computer Networks.

EXPERIENCE

Backend Software Engineer

May 2022 - Present

Shahry

Cairo, Egypt

- Completed the building and modeling of the system, exposing Restful API's for web and mobile integration, while initiating and maintaining relationships with the stakeholders.
- Owned major features, syncing with other teams and following up with other developers.
- Improved the efficiency of our unit tests, resulting in a 4-minute reduction in our CI run time.

Data Engineer Intern

Sep 2021 - Dec 2021

The Egyptian Center for Economic Studies

Cairo, Egypt

- Increased the reliability of scrapers by using caching and error handling.
- Improved performance of scrapers using concurrency and asynchronous programming reduced by execution time by 40%.

PROJECTS

Online Learning System A full stack website made using MERN Stack. Designed DB models, REST API's using Typescript.

Computer Architecture Simulation Implemented Test Driven Development and Continuous Integration for a Computer Architecture Simulation, leading to improved code quality and reduced time for new features. Applied Solid Principles to ensure a high-quality Object Oriented Programming code.

CMS-downloader A CLI automates the German University content management system used by (+50) students. Reduced downloading time (20%) by using Multi-threading.

EXTRA-CURRICULAR ACTIVITIES

- Junior Teaching Assistant for Data Structures and Algorithms course.
 - Assisted TA with lab preparation, classroom instruction and exam proctoring, projects, and homework assignments while interacting regularly with (+25) sophomore students.
 - Optimized student learning outcomes by helping them better understand the material with one-on-one consultations and provided code review and debugging for assignments.
- Technical VP at IEEE GUC student branch
 - Monitor 8 heads in giving technical sessions on topics like (ML, Cyber-Security, and Software Engineering).
 - Organize Events, talks, and Workshops attended by (+200) students. Gave a workshop about [Test Driven Development](#) and [Linux Command Line](#).
 - Gave a talk about [Esoteric Programming Languages](#) highlighting the importance of theoretical computer science.

ACHIEVEMENTS

- 13th place in High School (out of 101,000 students).
- Coached (+45) teams for ICPC from GUC, and GIU. 6 teams were qualified for ECPC and 3 were qualified for ACPC.
- Designed a Line Follower Robot for the IEEE competition and won second place.
- Joined GUCPC Contest and ranked 6th and Qualified for ECPC 2020.