

Ahmed Gamal Eltokhy

📍 Cairo, Egypt ✉ eltokhy@aucegypt.edu ☎ +201552659678 🌐 TokieSan 🐙 tokiesan.github.io

EDUCATION

The American University in Cairo

Double Major: B.S. in Computer Engineering and Mathematics, GPA: 4.0

Jul. 2020 - May. 2025

SKILLS

Languages & Frameworks

Proficient at **C, C++, Python, HTML, CSS, LaTeX**. Intermediate at Bash, JavaScript, SQL. Beginner at Scala

Software & Tools

Linux, Git, SSH, bootstrap, QT, Matplotlib, Pandas, Numpy, SMTP, Cron, Mechanize, JSON, Fortinet, MikroTik, Sophos, SystemD, Manim

WORK EXPERIENCE

The American University in Cairo

Peer Tutor

New Cairo, Egypt

Aug. 2021 - May. 2022

- Held private sessions for students, coordinated with the **School of Sciences and Engineering**, teaching **Calculus I, II, III** and **Fundamentals of Computing I, II**

STEM High School for Boys - 6th of October

IT Coordinator

Giza, Egypt

Jun. 2017 - Oct. 2019

- Maintained networks and IT systems using **Sophos, Fortinet, and MikroTik**
- Provided live technical support for students and faculty for **Windows and Linux** personal devices
- Mentored scheduled backups for the used systems with automated testing using **Cron** and **SystemD**

OSS CONTRIBUTIONS

Lichess

Front-end bug fixes, *HTML, CSS, Scala*

Jellyfin

Jellyfin-Kodi bug fixes, *Python*

PROJECTS

Tokhy's Hub

Jan. 2021

- Created a personal blog with a customized **bash** backend and statically hosted pages by HTML and CSS with the goal of minimizing size (**1.19KB**) and maximizing performance for a fully functional blog

CloneMeSan

Nov. 2020

- Created a chatbot that uses GPT model, accompanied by provided messaging data, to respond on messages after asserting the continuity of my previous responses

The Polar Storm

Jun. 2018

- Analyzed a data set provided by NASA that shows the spatial and temporal changes in Arctic and Antarctic ice, with the development of a visualization software using Python: **Pandas, Numpy, Matplotlib, Manim**
- Designed the UI using **Adobe XD**
- Developed the website using **HTML, CSS, JavaScript, Bootstrap**

EXTRA-CURRICULAR

Open Source Community - The American University in Cairo, Founder

Aug. 2021 - Present

- Founded and launched the community with the mission of training CS students on software development and OSS contributions workflow
- Hosted weekly coffee hours discussing latest OSS news

ACTIVITIES AND ACHIEVEMENTS

Second place in AUC ACM-ICPC competition, 2021

PSSF Scholar, attained a **full scholarship** to pursue the bachelor's degree in AUC, 2020