

AHMED HAMMAD

Software Engineer | Alexandria, Egypt

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EDUCATION

Alexandria University
(Expected Feb. 2021)

B.S. in Computer and Communication Engineering.
Concentration in Software Engineering.

EXPERIENCES

Amazon Web Services
SDE Intern (Aug. – Oct. 2020)

- Created framework that simplifies interaction with Step Functions.
- Redefined **On-Demand Billing** workflows using AWS CDK.
- Integrated my team's CDK constructs with workflow's pipeline.

Microsoft (Bing)
SWE Intern (July – Sep. 2019)

- Automated *Search Tries* generation in Bing for Commerce pipeline.
- Created configurable auto-scaling mechanism for cloud services.
- Migrated monolithic service to micro-services architecture.

SRTA City
Web Developer Intern (Feb. 2019)

- Refactored PI-Floor web app to fully testable and scalable version.
- Added new features (drag file upload, scoreboard, messages filter...etc.)

IEEE Students' Chapter
Instructor (Feb. 2019)

Guided 16 candidates to learn web development basics, and make their own websites, through 6 intensive sessions.

PROJECTS

Smart Pause Player

Video player that uses webcam to monitor user's eye pupils, and smartly pauses when user is not making eye contact with the screen.
[Electron, Plyr.js, Pico.js] [Individual]

Anonymous Freelancing

Anonymous, safe, and secure freelancing service platform (DApp and Server) based on smart contracts and etheruem blockchain.
[Web3.js, Solidity, React, Node.js] [Group Project]

Collecting Coins [LIVE]

The famous "Super Mario"-alike game running in browsers.
[ES6 JavaScript] [Individual]

Offense Detection

NLP model that uses machine learning to classify offensive tweets.
[Python, Sci-kit Learn, NLTK] [Group Project]

ACHIEVEMENTS

Microsoft Hackathon
Software Team Head
ASCE SC (2019)

Won 2nd place in Microsoft's internal local Hackathon.

- Selected to be the first software team head in chapter's history.
- Built the chapter's first high performance website. [LIVE]

SKILLS

Languages

JavaScript – Python – C++ – Kotlin – Java – TypeScript – Go – SQL

Technologies

Node.js – Django – DotNet – SpringBoot – MySQL – MongoDB – Spark – Vue.js – React – Bootstrap – JQuery

Tools & Concepts

Git – Linux – Agile – Docker – CI/CD – SOLID – OOP

LINKS

LinkedIn – StackOverflow – HackerRank – LeetCode – GoodReads