

AHMED HAMMAD

Software Engineer | Alexandria, Egypt

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EDUCATION

Alexandria University
(Expected Jan. 2021)

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

EXPERIENCES

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

- Automated *Search Tries* generation in Bing for Commerce pipeline.
- Automated deployment of an auto-commit *Azure Function*.
- Created configurable auto-scaling mechanism for cloud entities.
- Migrated monolithic service to micro-services architecture.

ACM SC (Sep. 2019)
JavaScript Instructor

Introduced candidates to JS frameworks (Node.js and Vue.js), using real examples and multiple projects, through 3 intensive sessions.

SRTA City (Feb. 2019)
Web Developer Intern

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

IEEE SC (Feb. 2019)
Web Developer Instructor

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

PROJECTS

Collecting Coins [LIVE]

The famous “Super Mario”-like game running in browsers.
[ES6 JavaScript] [Individual]

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]

Chat Room Service

Web service that provides encrypted chat rooms for users, who can either create, or join using a unique code.
[Node.js, Socket.io, MongoDB, JQuery] [Individual]

Offense Detection

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

ACHIEVEMENTS

Microsoft Hackathon

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

Software Team Head
ASCE SC (2019)

- 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++ – C# – Java – TypeScript – SQL – Go

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

StackOverflow – LinkedIn – HackerRank – GoodReads