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	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

LinkedIn – StackOverflow – HackerRank – LeetCode – GoodReads