

# 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 multiple 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”-alike game running in browsers.  
[ES6 JavaScript] [Individual]

Smart Pause Player

Video player that uses webcam to monitors user’s eye pupils, and smartly pauses when user is not making eye contact with 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  
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++ – 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