

### ► EXPERIENCE

#### Technology Engineer Intern

Jun. 2019 - Aug. 2019

American Express

Burgess Hill, UK

- Worked as part of an agile scrum team in the Global Services Group to develop a customizable, end-to-end workflow solution that integrates with a CMS to create, manage and track content requests.
- Delivered key frontend components primarily using React.js, with Node.js being used for server side development.
- Supported team to remain on track to reduce platform maintenance costs by \$200K upon completion.

#### Software Engineer Intern

Aug. 2017 - Aug. 2017

POET GmbH

Alexandria, Egypt

- Contributed to the development of a web-based internal HR System written in Java, as part of an agile scrum team.
- Modified and refactored multiple JSP and Java Servlet files which led to around 40% reduction in code.
- Implemented new website features using HTML, CSS, Bootstrap 4 and jQuery.

### ► EDUCATION

#### Arab Academy for Science and Technology

Jan. 2020

B.S. Computer Engineering

GPA: 3.8/4.0

Bachelor Final Project Grade: A+

### ► PROJECTS

#### Vynd - Python, JavaScript, React.js, Electron, MongoDB

*A cross-platform desktop app that enables users to retrieve videos from their personal library by searching for individuals that appear in them based on autonomous face detection and recognition.*

- Programmed a video processing script to extract keyframes, designed the UI and built several React.js components.

#### PeerView - Java, JavaFX

*A peer-to-peer cross-platform remote desktop control application. Uses TCP to establish connections.*

- Designed the GUI using FXML and JavaFX, implemented controller logic and handled mouse event sending.

#### TriviaBot - Python 3, Bash

*A python script that solves live trivia game questions.*

- Programmed a script that takes a screenshot of a trivia game question, extracts the text using Tesseract OCR and scrapes the internet for the most relevant answer, returning it in less than 5 secs with an 80% average success rate.

#### Erkab - JavaScript, Node.js, MongoDB

*A student centric ride-sharing website. It receives requests from car owners and commuters, matching them based on pickup time/location then connects both parties upon a successful match.*

- Spearheaded all frontend development, conceptualized the ride matching algorithm and contributed to backend tasks.

### ► SKILLS

**Most Experience:** Java, JavaScript, HTML, CSS, React.js, Node.js, Git, Photoshop, Agile

**Some Experience:** Python, Sketch, Electron, SQL, NoSQL, Swift

### ► ACHIEVEMENTS

#### 1st Place, MGM Intern Hackathon · American Express

Aug. 2019

Proposed and implemented a design for a new referral scheme for American Express cardmembers, which was awarded 1st place by a panel of judges consisting of UX designers and software engineers. Idea was added to the product backlog to be built out by the R&D team.

#### Shortlisted, TechCamp 2.0 · trivago

Aug. 2018

Selected as one of 20 students worldwide to attend a tech camp at trivago's HQ in Düsseldorf for 2 weeks to work with developers on real-world projects, after successfully completing a coding challenge.