Essa Saeed

Honours Software Engineering

University of Waterloo · Class of 2020

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Qualifications

- Fast learner as demonstrated by learning new concepts in a short amount of time
- Excellent communication skills as shown by experience with demos and presentations
- Great ability to work independently as seen by producing results with great initiative
- Fantastic teamwork skills from working on successful group projects with colleagues

Skills

- **Programming**: JavaScript, C++, Python, Swift, Java, C, Objective-C, Assembly
- **Web Dev**: Node.js, TypeScript, Flask, SQLite, HTML, CSS, jQuery, Bootstrap
- **Tools**: AWS, Docker, Tensorflow, Caffe, OpenCV, Cordova, Fiddler, Git, JIRA

Experience

Mappedin Inc.
Software Developer Intern
Sep. 2017 - Dec. 2017
Kitchener, Ontario

- Prototyped real-time face recognition app using computer vision and neural networks
- Made internal recording tool for face recognition validation improving validation metrics
- Built prototype real-time position tracking and geofencing service with little supervision
- Prototyped augmented reality labels into iOS indoor navigation app using ARKit

SAP SE
Mobile Developer Intern
Jan. 2017 - Apr. 2017
Waterloo, Ontario

- Developed mobile plugin for certificate importing to greatly reduce authentication time
- Maintained mobile SDK by fixing several bugs related to OAuth and the inappbrowser
- Researched use of a reverse proxy cache to simplify bug reproduction for debugging

Apptitude Apps
Application Developer Intern
Jul. 2016 - Sep. 2016
Waterloo, Ontario

- Made cafeonroute.ca for local restaurant using Google APIs and provided IT support
- Learned basic iOS development and created and published "Quran Daily Selections"

Projects

- **UI Project:** Java MVC paint app with transforms and hit testing leveraging Swing
- **CMS:** Content management system for blog posts using templating using Flask
- **Game:** Card game designed in UML using MVC and OOP principles
- **Course Project:** Compiler for a subset of C that uses parse trees and grammars