JACOB CHAMBERS

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Professional Summary

Motivated software engineering graduate interested in further developing skills in the field of software development. Demonstrates an ability to learn quickly and adapt to new work environments while having a dedicated interest to computer science. Passionate and devoted learner seeking full-time employment in the technology industry.

Skills

Technologies: Angular, React, Node, Ember, jQuery, SQL/NoSQL, Mongo, ASP.NET, AWS, Google Cloud, Docker
Languages: C++, C#, Java, HTML/CSS, JavaScript, Python

Experience

Application Security Intern
05/2017 to 09/2017

AsTech – 71 Stevenson Street, San Francisco CA

- Developed source code analysis skills under professional supervision.
- Identified web application security vulnerabilities such as SQL Injection, Cross-Site Scripting, Cross Site Request Forgery, Broken Authentication Management and more.
- Became familiar with security utilities such as Fortify, Qualys, and Burp Suite.
- Became familiar with remediation techniques for security vulnerabilities.

Application Security/Developer Intern
05/2018 to 09/2018

AsTech (now Moss Adams via M&A) – 71 Stevenson Street, San Francisco CA

- Completed billable corporate source code reviews and produced vulnerability reports for client web applications.
- Assisted in development for automatic report generator and application security classes (Java).
- Assisted in development and unit test creation for a tool that automates the third-party library identification process (C#).

Projects

Weather App: *React Native*

- Developed a weather application that finds the user 's coordinates and passes them to a weather API. Weather App's user interface completely changes depending upon the weather conditions where the user opens the app.

eMotionaL: *JavaScript, Keras, Flask* *(Capstone Most-Innovative Award)*

- Built an artificial neural network to classify .wav files as either happy, angry, neutral, or sad using only vocal analysis (NLP not used). Served the model via Flask API endpoint and created a beautiful UI that incorporates a live demo to demonstrate the model's capabilities.

Dolphin.io: *JavaScript, Python, Flask, Google Cloud, Mongo* *(Hackathon Winner)*

- Utilized data over sound techniques to create an application that can transfer funds without the need for any connection (WiFi, Bluetooth, NFC). Application acted as a fully functional e-wallet that addressed the problem of user payment being limited to the user's environment and device capabilities.

Self-Start Body-Smart: *Mongo, Angular, Node*

- Full-stack development of software system that brings the treatment of the physiotherapist into the home and provide clinicians tools to improve the traditional approaches of the patient's progression assessment.

Accomplishments and Education

- Dean's list for first and third year of engineering.
- Capstone "Most-Innovative Project" award.
- 1st place HackWestern's "Best use of API".
- Honour roll all years of high school.
- Recipient of Western University's 90+ average admission scholarship.

SE at **Western University**
Bachelor of Eng. Sciences in Software Engineering