Shahmeer Navid

613 929 7915 - shahmeernavid@gmail.com - http://shahmeer.co

Technical Skills

Languages and Platforms: Node/Javascript, Python, C++, Android/Java, iOS/Objective-C, bash, HTML, SASS/CSS

Frameworks and Libraries: ReactJS, AngularJS, BackboneJS, Sequelize, Express, Tornado, SQLAlchemy, Flask, boost, JavaFX,

Education

Bachelor of Computer Science   *Graduating 2018*
University of Waterloo – Excellent Standing on Dean's Honor List

Work Experience

Inkling   **San Francisco, California**
Full Stack Software Engineering Intern – Content Extensibility Team   *Winter 2015*

- Wrote Python APIs that performed CRUD operations for various database objects.
    - Created database models using SQLAlchemy, wrote migrations to create their respective tables, and set up caching.
    - API placed files in Amazon S3 buckets, handled user upload of zip files, and committed files to SVN repositories.
- Created initial UI for a module management dashboard using ReactJS and the Flux architecture.
- Implemented the fullscreen images feature for high-resolution assets on Android.
- Wrote a SVN pre-commit hook in bash that efficiently validated user uploaded SASS files.
- Improved unit test suite reliability and consistency.

Kimono Labs   **San Francisco, California**
Full Stack Software Engineering Intern   *Summer 2014*

- Re-implemented frontend Javascript code using MVC principles & AngularJS, improving application maintainability.
- Designed & implemented frontend & server side components of authenticated API creation feature.
    - Dealt with security concerns of storing user credentials and private data.
- Implemented streaming file downloads by parsing and operating on streams of data.
- Improved pagination based web crawling by moving "next link" generation into PhantomJS instances.

Notable Projects

GlassBoard at Hack the North 2015   *https://github.com/Wojtechnology/GlassBoard*

Google cardboard augmented reality application that allows users to interact with visual overlays. Makes use of WebGL, HTML5 canvas, & OpenCV

Python Style List Slicing   https://github.com/shahmeernavid/PythonStyleListSlice

Transpiler that adds python style list slicing (arr[1:2], arr[1:2:3], etc) to Javascript.

WebRTC Chat   https://github.com/shahmeernavid/webrtc-chat

React-redux chat room application made using WebRTC.

Argvparser   https://github.com/shahmeernavid/argparse

Allows node command line applications to define required and optional arguments in an expressive grammar.

MobAudio at AngelHacks San Francisco   https://github.com/xylochylo/MobAudio

iOS and Android application that allows users to greatly amplify sound using cell phones. Received Dolby API prize.