

Shahmeer Navid

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Technical Skills

Languages and Platforms: Node/Javascript, Python, C++, Android/Java, iOS/Objective-C, bash, HTML, CSS
Frameworks and Libraries: ReactJS, AngularJS, BackboneJS, Sequelize, Express, SQLAlchemy, Flask

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

January 2015 – May 2015

- Wrote Python APIs that performed CRUD operations for various database objects.
 - Created database models using SQLAlchemy, wrote migrations to create 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.

Kimono Labs

San Francisco, California

Full Stack Software Engineering Intern

May 2014 – September 2014

- Re-implemented frontend Javascript code using MVC principles and AngularJS, improving application maintainability.
 - Designed and implemented frontend and 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.
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Notable Projects

GlassBoard @ 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, and 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 @ AngelHacks San Francisco 2014

<https://github.com/xylochylo/MobAudio>

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