

Milind Shah



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Experience

Intentional Software

Bellevue, WA
May 2016 - Aug 2016

FlashStock

Toronto, ON
Sep 2015 - Dec 2015

Scotiabank

Toronto, ON
May 2014 - Aug 2014

Software Developer Intern

- Implemented a texture cache algorithm by developing a memory pressure based solution which resulted in approximately a 20% performance improvement in normal scenarios and over a 150% performance improvement in extreme scenarios
- Built a custom markdown text editor with simultaneous editing and concurrent updating capabilities on both the text-rich pane and markdown pane
- Designed a markdown parser to accompany the markdown text editor

Web Developer Intern

- Designed, implemented, and tested new features on both frontend and backend systems across multiple web applications using the MEAN stack
- Automated the process of creating a NxN grid of images reducing the time spent by the content generation team from 1 hour to 5 minutes
- Created an algorithm to filter out invalid images which resulted in a 25% speed improvement in the curation process

Database Analyst Intern

- Increased usability and decreased loading times of an internal website by re-designing the navigation system and refactoring the website's backend code
- Automated the process of creating various statistical reports using PHP and VBA to significantly reduce the developer time spent on writing reports
- Upgraded internal servers and databases to be compatible with Windows 7

Projects

Music Popularity | AngularJS, Node.js

- A web application that uses an algorithm consisting of YouTube views and Spotify play counts to determine the popularity of a certain song, album, or artist.

Personal Website | AngularJS, Node.js

- A website built to showcase my projects, an interactive resume, and an awesome about me page.

Memory Game | JavaScript

- A modification of Simon Says consisting of multiple levels and various visual stimuli which helps increase memory retention.

Technical Skills

Languages | Frameworks

Node.js	●●●●●●●●●●
AngularJS	●●●●●●●●●●
JavaScript	●●●●●●●●●●
HTML	●●●●●●●●●●
CSS	●●●●●●●●●●
Python	●●●●●●●●●●
Java	●●●●●●●●●●
C#	●●●●●●●●●●
C++	●●●●●●●●●●
SQL	●●●●●●●●●●
VBA	●●●●●●●●●●

Tools | APIs

- AWS
- Ubuntu
- Git
- MongoDB
- MySQL
- Android Studio
- Visual Studio
- Photoshop
- Google Maps API
- Spotify API
- YouTube API

Education

University of Waterloo

BASc Computer Engineering, Expected April 2018
Currently in term 3B

Portfolio

github.com/milindNShah

[linkedin.com/in/milindNshah](https://www.linkedin.com/in/milindNshah)