Supreet Singh

Mechatronics Engineering
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SKILLS

Programming Languages: Proficient in **Python** and **Javascript**

Previously worked with **Java**, **Objective-C**, **C++**

Frameworks and SDKs: Django, Backbone, Marionette, Android SDK, Cocoa Touch

Source Control: Git, SVN

Experienced in developing data-driven, consumer-centric applications

EMPLOYMENT

May 2015 Aug 2015 — ## Software Generalist **Hearsay Social**, *San Francisco, CA*

- Independently completed the UI overhaul of the compliance application, working closely with customers to incorporate highly requested features
- Remodeled the platform from a client-server architecture to a service oriented architecture to effectively work with mobile apps

Aug 2014 Dec 2014 — ## Full Stack Engineer **Minted**, *San Francisco, CA*

- Developed new process optimization services to the order fulfillment backend, providing a net savings of over **$200k per year** to the company
- Implemented a suite of Business Analytics tools to get a deeper insight into consumer behavior and to calculate the NPS score more accurately
- Improved the delivery estimator tool to provide more accurate order delivery due dates to the customers by taking into account various production factors

Jan 2014 Apr 2014 — ## Software Design Engineer **Hearsay Social**, *San Francisco, CA*

- Designed and developed the beta version of Hearsay Social iOS application, adding features to the app along with architecting the API layer in the Django backend; Deployed the app to 250 active users within three months
- Used Mixpanel to study user interaction flows and make subsequent changes to the app

May 2013 Aug 2013 — ## Firmware Engineer **Virtium Technologies**, *Orange County, CA*

- Developed firmware and for industrial Solid State Drives and SD cards
- Designed an algorithm to detect and store defective blocks on a SSD. The new storage architecture reduced the memory usage by 88%

Sep 2012 Dec 2012 — ## Mobile Developer **HootSuite Media Inc**, Vancouver, BC

- Member on HootSuite's mobile team, with focus on the Android app used by millions of users. Wrote new features to keep the app in sync with the iOS and web applications.
- Added an extensive library of unit tests for the Android application

Jan 2012 Apr 2012 — ## Research Assistant **University of Waterloo**, *Waterloo, ON*

- Collected and analyzed data from hockey players using motion tracking sensors to create an electro-mechanical design for a hockey stick testing robot.

PROJECTS

Capstone Design Project: A gesture-based universal controller to control smart devices around you in a quick, discrete fashion. Technologies: Embedded Systems, Bluetooth Low Energy

Instalytics: A web application to show in-depth analytics of your Instagram account. (Still in works) Technologies: Amazon Web Services, MarionetteJS, Django

International Space Settlement Design Competition: Runner up at the international design competition held by NASA at Johnson Space Center, Houston