



# Parth Mehrotra

## Software Engineer

Nothing gives me greater pleasure than solving a difficult problem with a simple and elegant solution. The only thing greater than my passion for building, is a passion for learning and trying new things.

### Technical Skills:

Java  
C  
C++  
Python  
Javascript  
SQL  
Git  
Unix/Linux  
Arduino  
Robotics  
Android  
Web Design  
Continuous Integration  
Test Driven Development  
Zsh  
Vim  
Flask  
Webapp2  
Google App Engine  
Tomcat  
Jetty  
Bootstrap  
Foundation  
MaterializeCSS  
Maven  
Gradle  
Statistics  
Data Analysis  
Machine Learning  
Geo Spatial Statistics and Analysis  
SAP HANA  
SAP IQ  
HERE API  
Google Maps API  
ROS  
Stripe  
Raspberry PI  
Material Design

## Experience

### SAP, Software Intern

May 2015-Present

- Contributed to several portions of SAP's Consumer Insight 365 technical stack. CI 365 is a big data solution that allows market researchers to gain unique consumer insights by analyzing terabytes of mobile data at a time.
  - Front-end Development: Implemented features and fixed bugs in webapp that assists market-researchers form queries. The webapp visualized geo-spatial data by accessing our API.
  - Back-end Development: Implemented new algorithms and features that helped users draw conclusions about different profiles of consumers through our API.
  - Data Science: Wrote machine learning algorithms that helped predict missing attributes of our data. Engineered tools that analyzed the current "health" of our data, by measuring the accuracy of our machine learning models.
- Prototyped several ambitious projects in the fields of 2 Factor Authentication, and Code Metrics.
- Introduced the use of streamlined communication, documentation repositories, unit testing, and continuous integration.

### AutoAI, Founder

October 2014-Present

- Founded research project at Rutgers University to create an open source self driving car platform
- Led technical, administrative, and fundraising efforts.
- On track to be a self sufficient, funded Student Organization at Rutgers University.

### SinfulColors, Freelance Developer

February 2014

- An Android App for the SinfulColors' customers (Nailpolish brand owned by Revlon). The app enables users to take a picture with their phone and pick a color from the picture. The app then recommends nail polish shades that would either match or contrast with the chosen shade
- Engineered using Android SDK (Java), Distance in Color Lab Space Algorithm. [Patent Pending: WO 2015116521 A1](#).

### Nimai's Bliss Kitchen, Freelance Developer

August 2014

- Designed a website and infrastructure for a restaurant in Newburgh, NY to enable online ordering for delivery.

### Plexx, Software Intern

May 2013

- Designed an Android App and parts components of a backend API for a startup that aims to help people in low income communities find jobs through the use of technology.

### New Eats, New York, Team Development

March 2013

- An open-source Android app that recommends NYC restaurants based on your location and cuisine preferences at meal times each day of the week. This app is unique because it uses the NYC open dataset to find restaurants that have just opened and been approved by the City. Created at Skylight, a group that collaboratively works on open source applications.

### Martial Arts Score Keeper, Project

January 2010

- My first software project: a simple Android app that replaces the traditional martial-arts scoring technologies that cost thousands of dollars and are not accessible to all martial-arts schools.

## Education

### Rutgers University, New Brunswick Class Of 2018

- Pursuing B.S. in Computer Science, Math.
- Advanced coursework in Data Structures, Algorithms, Computer Architecture, Principals of Programming Languages, Computer Graphics and Simulation.
- Studied Advanced Autonomous Vehicles as an independent study.

## Contact Details

[parth@mehrotra.me](mailto:parth@mehrotra.me)

(973) 809-0571

[LinkedIn](#)

[parthmehrotra.com](http://parthmehrotra.com)