# Madhur Kapoor

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## Education

- **Master of Science in Computer Science** — *University of California, San Diego, CA*
  *GPA:3.8/4* — *Expected: Dec '16*
- **Bachelor of Engineering in Computer Science** — *PES Institute of Technology, Bangalore*
  *GPA:9.44/10 — Top 6% of CSE '14 batch* — *Sep '10 – May '14*

## Experience

- **Qulinary** — *San Jose, CA*
  *Part-time Freelancing Software Engineer* — *Dec '15 – Feb '16*
  - *Worked on an Ionic & Cordova app for real-time driver tracking and route optimization using AngularJS, Leaflet.js*
  - *Implemented an on-demand route optimization service to suggest an optimal order of traversal to drivers and aid them in deliveries.*
- **Citrix R&D** — *Bangalore, India*
  *Software Test Engineer I — XenDesktop Division* — *July '14 – July '15*
  - *Developed automation for the Personal Virtual Disk and Personalization product line from scratch up to 42% to reduce testing time of each build by minimizing manual work [PowerShell]*
  - *Designed and implemented UPM Troubleshooter (released as a hotfix), for customers and admins to debug their UPM setup which significantly reduced the round-trip-time for addressing customer issues [C#]*
- **Artoo** — *Bangalore, India*
  *Software Engineering Intern* — *June '13 – Aug '13*
  - *Engineered an Admin dashboard for the client Ujjivan Financial Services, to track the activity of their field agents in providing loans to Bottom of Pyramid entrepreneurs [Ember.js, Mocha, Chai.js, CouchDB]*
  - *Incorporated a lazy module loader into the application to significantly improve the boot-time [Require.js]*
- **Indian Statistical Institute** — *Chennai, India*
  *Research Intern* — *June '12 – Aug '12*
  - *Devised a model to predict spurious citations in research work submitted to a conference proceeding. The estimations were made using text processing methods like TF-IDF [Python]*

## Projects

**Perfecting Passenger Pickups - An Uber Case study:** Predicted the top pick-up zones at any given hour, using 6 months of Uber pickup data from NYC. Also analyzed top night-life zones and holiday trends as per Uber [Python, Scikit, JS]

**Rating & Helpfulness Prediction on Amazon data:** Analyzed 1 million Amazon reviews to predict the helpfulness of a review (regression) and rating that a user would give to an item (using latent factor models).

**Realtime Handwritten Content Collaboration:** Implemented a handwriting based collaboration framework that enables multiple remote parties to collaborate using pen and paper in real-time. [Java, OpenCV, Android]

**In-organization Search Engine:** Built an intra-organization, mini search engine to query over textual data of an organization and return the related documents, using a single node Hadoop cluster [Java, Hadoop Map Reduce]

## Skills

- Proficient with C++, Python & basics of C, Java
- JavaScript & MVC frameworks in JS (Angular, Ember)
- PHP, PowerShell and basics of Node.js
- Basics of Hadoop Map-Reduce
- Mobile Development with Ionic and Cordova
- Windows and Linux (Ubuntu) Internals
- Functional Programming - Haskell
- MySQL & basics of CouchDB