

# MEGHNA MALHOTRA

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## EDUCATION

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Bachelor of Science in Software Engineering  
Master of Science in Computer Science

**Drexel University, Philadelphia**  
*Class of 2018*

## EXPERIENCE

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### SELF-EMPLOYED

September 2019 - Present

*Co-Founder & Software Engineer*

*Palo Alto, California*

- Caterpillar was an online catering platform that allowed restaurants to accept bulk orders for business events. Built with React and Firebase; we had a paying customer but we had to shut down because of coronavirus.
- Metametrics is a tool that engineering managers can use to track metrics about their team's performance. Built using React, Rails and AWS; selling to enterprise customers was infeasible for a bootstrapped team of two.

### GROUPON, INC.

August 2018 - August 2019

*Software Engineer II*

*Santa Clara, California*

- Wrote a solution for performing text detection and character recognition on users' credit cards. It was deployed under an A/B Test to the Groupon iOS app in production with the goal of improving purchase conversion.
- Trained neural networks to perform the supervised task of learning embeddings for Groupon deals and deal content.
- Automated the secure login process for a real-time web dashboard used to track event logs for the Android and iOS mobile apps, saving everyone on the mobile engineering team several hours per month.

### GROUPON, INC.

June 2017 - September 2017

*Software Engineering Intern*

*Palo Alto, California*

- Wrote an extension for Card.io to improve its optical character segmentation and recognition algorithms so it could read information from unembossed credit cards.
- Automated black-box testing for the user interface and features of the Android application.

### SMARTSTREAM TECHNOLOGIES

March 2017 - June 2017

*Associate Software Engineer*

*Philadelphia, Pennsylvania*

- Developed a configuration service using a distributed key-value store (etcd) for all products in the suite.
- Wrote an asynchronous endpoint for intra-bank communication and integrated it into the Collateral Management platform.
- Optimized SQL code, which quadrupled the execution speed of 9 queries running concurrently on an Oracle DB.

### SAP SE

April 2016 - August 2016

*Software Development Co-op*

*Walldorf, Germany*

- Built a D3.js extension for dynamic fragmentation and analysis of big data, hosted on the SAP HANA Cloud Platform.
- Integrated the extension into a production instance of SAP Analysis Path Framework and tested it using QUnit.

### SUSQUEHANNA INTERNATIONAL GROUP, LLP

March 2015 - September 2015

*Software Engineering Co-op*

*Bala Cynwyd, Pennsylvania*

- Implemented a Protobuf Encoder that generated sample orders to test heavy-volume day-trading strategies that automatically trade in the world markets.
- Wrote Python scripts to track changes in commodities and securities data collected from the Bloomberg terminal, and generate production critical reports daily.

## RECENT PROJECTS

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- *Metametrics*: SaaS to track engineering metrics in your Github repository, built using React, Rails and AWS.
- *Cue Movie*: An iOS app that lets you keep track of the movies you watch, built with React Native and Firebase.
- *Self-Care Reminder*: A web app to send email reminders to loved ones, made with React, Firebase and Mailgun.
- *Staq for React Native*: An open-source Javascript library for creating a full-stack SaaS application in React Native.
- *Web Dev Dropout*: A blog about programming and building a bootstrapped SaaS business.
- *Carlo's Confections*: A cute online bakery I built for my little brother, using HTML, AWS and the Google Sheets API.



References available upon request