

MEGHNA MALHOTRA

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EDUCATION

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

Drexel University, Philadelphia
Class of 2018

EXPERIENCE

RECENT PROJECTS

October 2024 - Present

Software Engineer

New York, New York

- **workout-ninja.com** - Designed and implemented a full-stack web app to monitor my fitness progress over time by storing exercises, creating workouts and tracking progress metrics. Used Claude AI to assist with deploying the React App on Netlify, the NodeJS server on AWS EB and the database on MongoDB Atlas.

- **SKILLS** - React, TypeScript, NodeJS, MongoDB, AWS Elastic Beanstalk, LLM Prompt Engineering, Claude AI

TWITTER

January 2021 - November 2022

Software Engineer II

New York, New York

- Built a ML tool to create a 3D visualization of user accounts grouped by content similarity. This saved the Content Curation team 50+ hours per week of manually searching for users tweeting about similar Topics.
- Wrote the Python scripts that pulled the top users by follower count and the top 1000 tweets for each user, and converted them into 3D point vectors for the React UI. Also managed the scoping, roadmap and task breakdown on JIRA.
- **SKILLS** - React, TypeScript, Python, Data Modeling, Technical Design, Project Management, Machine Learning

SELF-EMPLOYED

September 2019 - December 2020

Co-Founder & Software Engineer

Palo Alto, California

- Built MetaMetrics as a solution for engineering managers to be able to track metrics about their team's performance.
- Conducted user interviews, worked on the project planning and design, and technical implementation of the full-stack web app using React, Rails and AWS.
- **SKILLS** - React, JavaScript, Ruby on Rails, AWS, User Interviews, Product Design

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.
- 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.
- **SKILLS** - JavaScript, Scala, Computer Vision, A/B Testing, Cross-Functional Collaboration

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 un-embossed credit cards.

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.

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.



References available upon request