

Michael T. Chen

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Work Experience

Yelp, Inc.

San Francisco, CA

Full Stack Software Engineer

August 2019 - Present

- Increased spend commit by ~\$10m annually by creating an ad impressions heatmap that shows highly searched areas for advertisers and developed suite of tools for owners to change their advertisement configs; leverages Amazon SQS, StreamSQL, Cassandra, GraphQL, and React
- Led multiple projects around Yelp's call reporting/ad attribution vertical which gives business owners clear insights into the phone call leads they receive through Yelp
- Developed microservices, APIs, and frontend components which ingest multiple large datasets and surface the data to business owners in order to demonstrate the value of their paid products
- Increased ad purchase conversion by 5% by developing a feature that predicts when a user's ad customizations may negatively impact them
- Coordinated and resolved multiple time-sensitive, revenue-impacting incidents and championed key action items to reduce oncall fatigue and improve system observability
- Actively involved in Yelp's recruiting process, mentored multiple engineers on the team and across the org, and revamped team's new hire ramp-up processes and documentation

Amazon.com, Inc. (Alexa Smart Home)

Seattle, WA

Backend Engineering Intern

May 2018 - August 2018

- Designed service that enables any Alexa team to send directives and fulfill customer requests, breaks out directive dispatching logic from monolith, and removes Smart Home service as point of failure for non Smart Home Alexa products
- Implemented new way for all smart home requests through Alexa to invoke Lambda skills; set up experiment logic to safely integrate and roll out this feature

Georgia Institute of Technology

Atlanta, GA

Graduate Teaching Assistant

August 2018 - May 2019

- TA for two courses: *Intro to Algorithms* and *Automata and Complexity*

Technical Skills

Extensive Experience with: Python, Javascript, React, GraphQL, web development, Agile, SQL
Experience with: Java, Flask, Django, Cassandra, NumPy, pandas, machine learning, d3

Projects

InquisED

January 2019 - May 2019

- Developed an active learning based cognitive system designed to assist students in inquiry based learning by helping them learn to ask better questions
- Implemented question-asking agent by finding patterns (repeated subgraphs) in a graph, searching for partial matches, and generating potential questions from missing information

Education

Georgia Institute of Technology, College of Computing

Atlanta, GA

MS Computer Science, *Specialized in Visual Analytics*

May 2019

BS Computer Science, *Specialized in Artificial Intelligence & Information Networks*

May 2018