

Jonathan Huang

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EXPERIENCE

MapD — *Lead Software Engineer* 2017 - current

- Architected and led development of a React application for data exploration and interactive visual analytics
- Managed bi-weekly release cycle; triaged issues based on priority, impact, and visibility
- Educated team on best practices and related domain knowledge
- Worked with customers to fix issues, build features, and document APIs
- Published five open source data-visualization libraries

MapD — *Front-End Engineer* 2015 - 2017

- Developed interactive charts and declarative geospatial charting APIs
- Optimized application by removing redundant data fetches and component render cycles
- Automated over 60 manual tests, reducing test time from 3 hrs to 5 mins
- Built infrastructure for testing, bundling, and deployment

DailyMotion — *Front-End Engineer* 2014 - 2015

- Developed video-sharing mobile web app used by 9 million daily users
- Delivered features compatible with a variety of mobile web browsers constrained by poor network-connectivity
- Integrated backend, video player, and ads APIs with frontend client
- Implemented client-side data caching to optimize network use

YouTube/Google Play — *Partner Ops* 2013 - 2014

- Developed scripts to improve the TV/Film catalog audit process, unblocking 1500+ wrongly blocked movies on Google Play
- Automated video error reporting process, reducing incorrectly blocked movies by 88%

PROJECTS

Metis - github.com/mapd/metis

Tools for massively parallel and multivariate data exploration. Developed modules for visualizing and building cross-filtering SQL data pipelines

Immerse - mapd.com/platform/immerse/

Data exploration platform. Prototyped, designed, and built core functionalities of application. Led development team through Series A and B.

LANGUAGES

Javascript, Typescript

Elixir, Erlang/OTP

PHP

SQL

TOOLS / FRAMEWORKS

React, React Native, Redux

Babel, Webpack, Flow

d3.js

Ramda

Bash, Git

Selenium

SKILLS

Architecture and design

Data visualization

Mobile web development

Open-source development

Workflow automation

EDUCATION

UC Berkeley (2010)

BA Philosophy

BA Rhetoric

Minor in English