Mike **Dunham**

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Summary

Software engineer specializing in the MERN stack (MongoDB, Express, React, and Node.js). Particularly interested in solving problems around housing, transportation, politics, and education. Located in the Bay Area but willing to work remote as well.

Portfolio - https://www.mikedunham.org
Portfolio site built on the JAMStack using Gatsby and Netlify, with content stored in markdown and editable via CMS without touching source code.

Projects

Caltrain Delay Watch   http://caltrain-delay-watch.web.app

A full-stack web app that allows users to monitor their daily commute and receive a text message whenever their usual Caltrain is running more than a few minutes late.
- Project Stack: MERN Stack (MongoDB Atlas, Express, React, Node.js), Twilio, Axios, Mongoose, Passport, JSONWebToken, Node Schedule

Deliberate Sprints   https://deliberate-sprints.web.app

A CRUD sprint tracking tool that lets a user organize projects and sprints and monitor their progress over time. Built in React, with Redux for state management and Material-UI for the user interface.
- Project Stack: React, Redux, Material-UI, Axios, Firebase, Jest/Enzyme, Cypress, Recharts, Formik, Yup, CircleCI

Tubeflix   https://tube-flix.web.app

A React demo that imports YouTube content from the official API into a Netflix-style web app.
- Project Stack: React, Axios, YouTube API, Firebase, CSS Modules

Technical Experience

Summit Public Schools - https://www.SummitPS.org   *Redwood City, CA*

DIRECTOR OF DATA / CONSULTANT   *Aug. 2015 - Jun. 2019*
- Managed team of 6 to setup and operate numerous student data systems and provide data, reporting, scheduling, and operational support to 11 schools in CA and WA.
- Led the network's first implementation of algorithmic student scheduling. Replaced a manual spreadsheet-based process and delivered 100% of schedules on time and with near-perfect accuracy.

New Classrooms - https://www.NewClassrooms.org   *New York, NY*

SQL DEVELOPER / SR. MGR. OF STUDENT PROGRESSION   *Jul. 2012 - Aug. 2014*
- Developed and maintained large suite of SQL-based data integrity tests for one of the country's earliest personalized learning programs.
- Led cross-functional team (academics, operations, engineering) to build next-generation of software tools for dynamically moving 6,000 students through the program's curriculum.

Teach For America - https://www.TeachForAmerica.org   *New York, NY*

5TH GRADE MATH TEACHER   *Jun. 2010 - Jun. 2012*
- Selected into a highly-competitive public service program and taught for 2 years in an under-served Brooklyn neighborhood.
- Created school's first-ever Computer Club, teaching dozens of students HTML and CSS after school.

Education

Stanford Graduate School of Education   *Palo Alto, CA*

MA, LEARNING, DESIGN, AND TECHNOLOGY   *Sep. 2014 - Aug. 2015*
- Relevant coursework: CS 106B - Programming Abstractions | CS 193P - iPhone and iPad Application Programming | CS 298 - Seminar on Teaching Introductory Computer Science

Yale University   *New Haven, CT*

BA, POLITICAL SCIENCE   *Aug. 2002 - May 2006*
- Magna Cum Laude; Departmental Honors; President of Rumpus Magazine, nation's oldest college tabloid

Online Coursework
- Udemy: The Complete 2020 Web Development Bootcamp | JavaScript - Understanding the Weird Parts | React - The Complete Guide
- Pluralsight: Node.js: Getting Started | Building Web Applications with Node.js and Express 4.0