

Eric Mai

Improving transportation systems through through technology for 10+ years

1750 Little Raven St. Apt 713
Denver, CO 80202
(405) 503-1379
ericmaiconsulting@gmail.com

EXPERIENCE

Self employed — Consultant

August 2018 - PRESENT

Working with various transportation technology companies to:

- Design and evaluate marketplace-related product changes (like dynamic pricing and rider/driver promotions).
- Architect software systems for travel time prediction.

Uber — Senior Engineer, Product Manager

March 2014 - August 2018

- Tech lead for dynamic pricing (2014-2016) and driver positioning (2016-2017). Led backend engineering work required to scale to pricing and positioning information from neighborhoods to hexagons and from 150k drivers to 3M drivers.
- Product manager on marketplace data (2018). Consolidated marketplace-related analysis company-wide around a canonical set of metrics. Pioneered per-hexagon profitability and driver earnings metrics.

Automatic, Lead iOS Engineer, Founding Member

December 2012 - March 2014

- Led iOS app from prototype through successful 1.0 release, managing workflow between design, testing, and iOS developers.
- Integrated the iOS app with a custom hardware device over Bluetooth LE.

Iteris, Transportation Engineer

December 2010 - December 2012

- Contributed to federal research on travel time reliability; published 3 research papers on transportation operations and data visualization. Invited speaker on mobile devices in transportation.
- Designed and developed innovative real-time systems for real-time routing, fleet management, roadway performance monitoring, and roadway operations and control.

EDUCATION

UC Berkeley M.S – Civil Systems Engineering

May 2009

Focus on Intelligent Transportation Systems and Behavioral Economics. Built iPhone app BayTripper, the first app to provide transit routing based on real-time data. Built Cabulous (now Flywheel), a taxi mapping, dispatch, and hailing system. GPA: 3.72.

University of Oklahoma B.S – Civil Engineering

May 2007

Graduated Summa Cum Laude with minors in Mathematics and Religious Studies. Student leader of 15 undergraduate, masters, and PhD students across 7 research projects. Co-authored 3 journal papers and 11 conference papers on neural networks. GPA: 3.95.

AWARDS

Published 18 research papers on transportation systems and artificial intelligence.

Awarded 3 patents on transportation performance monitoring and passenger information systems.

Two-time invited program reviewer for the US Department of Energy's TRANSNET program.