

Ali Almossawi

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I build compelling stories, and execute on them with a lot of care and attention to detail. I value long-term relationships, and lead with honesty and integrity. I have **5 years of management experience** and my work lies at the intersection of Product Design, UX, and Engineering. In my free time, I'm an MIT alumni advisor and an MIT BCAP (Black Community Advancement Program) summer mentor.

Recent Professional Experiences

Apple, 2022 to present

Engineering Manager 2, San Francisco

Pillar Leader for Siri on Apple Vision Pro. Lead the AI/ML Engineering Intelligence team, a distributed team I hired, responsible for building usable and useful developer productivity products critical for Siri. Our flagship product brings a **strong UI/UX and design strategy** and **habit-forming, sticky, likable products** to the internal AI/ML developer community.

Apple, 2018 to 2022

Engineering Manager, San Francisco

Established the Security Engineering+Design team, a colocated team focused on bringing design thinking and a consistent **design system and language** to the security org's catalog of tools.

Apple, 2017 to 2018

Staff Engineer, San Francisco

Developed data narratives and prototypes. Created **visualizations** that were presented to Tim Cook and his executives. Gave a talk on data graphics at Marcom's Developer Symposium to 200+ people.

Mozilla, 2012 to 2017

Senior Data Visualization Engineer, San Francisco

Worked on the Firefox data science team to build **interactive graphics** and compelling narratives. Co-developed MetricsGraphics.js and the Firefox Hardware Report.

Skyrill, 2009 to 2012

Directed the creative design work on projects that won industry awards. Completed projects for clients including Adidas and Ogilvy & Mather. Our projects were featured on Behance, Yanko Design, Abduzeedo, FlowingData, Photography Served, Designer's Couch and Fast Company.

2013 onwards, off and on

Wrote four illustrated books on critical thinking. They have been read by 3.5 million readers, translated into 23 languages, and have sold 350,000 copies in print. I still write about critical thinking.

Education

Massachusetts Institute of Technology

Master of Science in Engineering and Management, 2012

Research assistant at MIT, then at Harvard; collaborator at the MIT Media Lab for 1.5 years

Carnegie Mellon University
Master of Science in Software Engineering, 2006
Practicum at the Software Engineering Institute

University of East Anglia
Bachelor of Science in Computer Systems Engineering, 2005

Honors

My first book was #5 on the Amazon.com Best Sellers List (September 30, 2021)
My first and third books were endorsed by Hope Jahren
My second book was endorsed by Vint Cerf
My second book was acquired by Penguin Random House at auction
Judge for the 2020, 2019, and 2018 John Hunter Excellence in Plotting Contests
Shortlisted in the 2013 Information is Beautiful Awards held in London
Semi-finalist in the MIT \$100K Business Plan Contest
One of 20 great visualizations of 2012 by Visually
Designed the logo that won Goal.com's 2010 brand contest, was adopted as their logo

Publications

Don't Just Teach Kids How to Code, Teach Them Algorithms, Too — Bright Magazine
Logic: In the Direction of Truth, Imagine Magazine — Johns Hopkins University
Visualizing ambiguity — New Challenges for Data Design, Springer-Verlag
The Data Visualization Revolution, co-authored with Cesar Hidalgo — Scientific American
Going Beyond the One-Bit Democracy, co-authored with Cesar Hidalgo — Wired (UK)
MetricsGraphics.js - a lightweight graphics library built on D3 — Mozilla Hacks
Analysis Tool Evaluation: Coverity Prevent, co-authored with Kelvin Lim, Tanmay Sinha

In the Press

This Short Book Makes You Smarter Than 99 Percent of the Population, Inc.com
How to be a human lie detector of fake news, according to the latest science, CNN.com
Why smart people believe Coronavirus myths, BBC.com
From Statistics to Surgery to Psychology: Our Favourite Reads, Nature
Summer Reading For The College-Bound, NPR
Web Guru Signs for John Murray, Book Brunch
In the Mailbag: BEA 2015 Edition, Book Riot
A Fun Primer on How to Strengthen, Not Weaken, Your Arguments; Open Culture
Eight Cousins Pick of the Year 2014
Now More Than Ever, You Need This Illustrated Guide To Bad Arguments; Fast Company
Teach Your Kids Logic With A Book of Bad Arguments by Jenny Williams, GeekDad
9 Charming Cartoons Explaining Logical Fallacies, BuzzFeed
Bad arguments, great illustrations by Cory Doctorow at Boing Boing
This Little Piggy Made A Logical Error, The Dish
A guide to fallacious arguments, illustrated with funny animals; io9
National Indie Bestsellers - Extended Hardcover Nonfiction
How to argue, with others and yourself; Andreessen Horowitz Weekend Newsletter
Book review: 'Bad Arguments' will entertain, help you diagnose poor logic; Omaha.com
Book review: Tripping Over Logic, The Philosophy Club

MetricsGraphics.js is now on CRAN, R-bloggers

Interviews and Talks

Feature in Startup MGZN, 2019

The Knowledge Project with Shane Parish, 2018

A Walkthrough of Several Data Graphics, Apple Inc, Cupertino, 2017

Sidestepping Logical Fallacies and How To Think More Critically, Metalearn podcast, 2017

This Week in Tech, 2017

Bad Choices, How Algorithms Can Help, Slice of MIT, 2017

How to Use Algorithms to Solve Everyday Problems, MIT Sloan, 2017

Informing with Design, Greylock Partners Design Group, San Francisco, September 2015

D3 in Practice, SFHTML5 Meetup, Google San Francisco, August 2015

Open-Sourcing the Creative Process, MIT Systems Thinking Seminar Series

Learning the Lost Art of Making Sense, ABC Radio

Technical, Entrepreneurial, and Creative Mojo; MIT Profile

Measuring Quality in a Complex Software System, Links 2013, MIT Media Lab

Public Projects

2014 *MetricsGraphics.js*, a principled graphics library for laying out time-series data used by most of Mozilla's internal teams; 7,400 GitHub stars, 500,000+ hits (as of 2017).

metricsgraphicsjs.org

2014 *The Web We Want*, 10 million hits

almossawi.com/web-we-want

2016 *Firefox Hardware Report*, designer, developer, founding team member

almossawi.com/firefox-hardware-report

2016 *Visualizing in VR using A-Frame and D3*, featured on aframe.io

almossawi.com/aframe-d3-visualization

2016 *The Big Five US Trade Book Publishers and Their Imprints*, cited by Bloomberg, Tor, and others; 30,000 visitors, 7,000 shares on Facebook and Twitter

almossawi.com/big-five-publishers

2013 *How Maintainable is the Firefox Codebase*, featured on Slashdot

almossawi.com/firefox/prose

2013 *Pantheon: An observatory of global cultural icons*, collaborating designer

pantheon.media.mit.edu

2012 *The Observatory of Economic Complexity*, collaborating designer

atlas.media.mit.edu

2012 *How Educated Are World Leaders*, 100,000 visitors

almossawi.com/leaders