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I like to do, make, and learn new things. I'm a math nerd passionate about empathizing with humans and telling a unique story. I appreciate kind, thoughtful, and creative folks who also want to get better.

Experience

- **Reddit Staff Software Engineer** **October 2018 - Present**
 - Advocated for and delivered Election Day push notification campaign to 10s of millions of voters
 - Architected new system for push notification, desktop notification, and email sends at Reddit scale
 - Lead cross-functional scaling efforts, built self-service infrastructure to empower other teams, set Growth OKRs
- **Breaksum Founder** **April 2018 - August 2018**
 - Lead user-research efforts, on-the-ground presence, and product design for automated algebra tutor application
 - Prototyped, built, and distributed minimally viable product, detailed business opportunities in the market space
- **Classadoo CTO** **Nov 2017 - April 2018**
 - Built a system for scalable real-time teaching and classroom management between Silicon Valley and China
 - Lead classes, constructed curriculum, architected infrastructure and tools for students/teachers/administrators
- **Sendgrid Senior Software Engineer** **March 2017 - June 2017**
 - Transitioned after acquisition to Marketing Campaigns, provided email marketing to small-to-medium businesses
 - Worked with ZooKeeper, Cassandra, Rabbit to architect outbound marketing features at scale
- **Bizzy.io VP of Engineering** **Nov 2015 - March 2017**
 - Lead and hired entire engineering org. Very proud of the team that was built.
 - In charge of the whole product and stack from css styles on the Angular frontend through the Python backend and workers and down to the infrastructure running everything
 - Sent 10s of millions of emails, integrations with multiple ecommerce platforms, automated ad management
 - Successful acquisition by Sendgrid
- **Twitter Senior Software Engineer, Android Technical Lead** **July 2013 - Oct 2015**
 - Created first phone-centric onboarding (Digits) increased mutual follows 27%, tweets, faves, retweets, mentions sent and received each up 7-19%, number of days that new users logged in increased 3% on Android and iOS
 - New User Experience and empty state improvements: increased 30 day retention 4% absolute over six months
 - Onboarded, trained, mentored 3 new hires, all promoted, +2 review privileges, and owners of infrastructure
 - Managed launch of World Cup 2014 NUX - huge cross-functional effort, timeboxed development of new features
- **Previous Experience** **May 2013**
 - Google+ Team intern, working with Infrastructure and Latency to improve feature launches and user actions
 - Published 3 research papers involving the minimum labeling of graphs under certain constraints related to the channel assignment problem. Spoke at LURE conference and the 2011 Joint Mathematics Meetings
 - Extended Kral-Skrekovski-Tancer Conjecture by completing previously intractable calculations on $\approx 1.18 \times 10^8$ graphs each with 24 vertices and 3 edges per vertex in less than a week.
 - 9 month startup project funded by Facebook on physical social media devices; authored a utility patent
 - Won over \$3000 from Dharmesh Shah in MIT entrepreneurship class while attending Olin College of Engineering

Do, Make, Learn