

Elliot Boschwitz

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About me: I'm making a career change into software engineering. You may view my GitHub (github.com/ellbosch) for more information about my software engineering experience, which includes, iOS, Python, ML, and web development.

Experience

Microsoft, Redmond, WA – *Program Manager/Data Scientist, August 2015 – Present*

Project Rome/Commerce Platform – *Program Manager, February 2018 – Present*

- Increased monthly engagement by 200x in 8 months as PM for backend service. Led feature specification for iOS, Windows, and Android apps enabling Windows “Your Phone”, Amazon Echo interactivity with Xbox, and other applications. CCS delivered over 500 million commands monthly with over 99.9% reliability.
- Increased ROI for team as lead for Portfolio—an investment management solution for team’s collection of assets. Created streamlined approach for calculating ROI of internal services lacking direct source of revenue. Currently leading effort to track and improve ROI for 13 services acquired in Jan 2019.
- Leading effort to improve ROI for entire Commerce Platform as Incident and Repairs Report lead. Identified opportunities and assessed effectiveness of our products with postmortem data analysis. Currently leading initiative to improve data hygiene and reporting, enabling the entire company to leverage postmortem data.

Windows Server – *Program Manager, August 2015 – April 2017 & Data Scientist, April 2017 – February 2018*

- Led data science effort for Windows Server Feedback Analytics. Designed and built first-story detection system to identify new issues by calculating cosine similarity of Word2vec vectors. Created an emerging topics detection model for identifying trending issues. These systems enabled Windows Server teams to improve customer satisfaction by identifying bugs and features to prioritize.
- Fixed org-wide document discoverability by creating internal web app, generating more than 10k views within 5 months of its conception. Led feature specification, designed solution, and developed implementation.
- Increased ROI by reducing monthly OPEX by \$10s of thousands. Convinced leadership to support shutting down service and created transition plan for dependent teams.
- Increased customer satisfaction by leading effort for issue-management web app, reducing the time to detect and mitigate bugs for 8 Windows Server teams. Led feature specification for data ingestion automation, ML models for identifying new or trending issues, and front-end web service that simplifies bug triage process.

High 5 Games, New York, NY - *Software Engineer Intern, June – August 2014*

- Increased support team efficiency by designing and developing new front-end experience for internal customer service tool.
- Improved performance and efficiency of company’s web-based animation engine by proposing and implementing HTML-Canvas to replace outdated Flash technologies.

Education

University of Pennsylvania - *Bachelor of Arts, September 2011 – May 2015*

- Majors: Computer Science; Cognitive Science, concentrating in Computations and Cognition

Skills and Awards

- Proficient in Swift, Python, Java, Javascript, jQuery, HTML, CSS, SQL, Power BI
- Won “Best Use of a Connected Data Model with a Graph Database” at PennApps Fall 2013 for “Samaritan”

Personal Projects

- Lob: community-driven sports highlights, delivering near more content than ESPN or any other competitor.
- Machine learning model that beats Vegas odds on the lines of NBA scores by 56%.
- Data analytics web app for restaurant managers that computes sentiment analysis per topic over aggregate of online reviews.
- Readit: news aggregator web app that creates automated summaries of articles.
- Android app for Penn students that dispatches distress signal to police when student is in danger.