Samuel Breck





Experience

Microsoft Program Manager Fall 2019 - Present

Redmond, WA

- Product Owner for Network Automation Platform, partnership w/ RedHat to run change-management against Network Devices
- Presented at Microsoft Build 2020, journey from basic Automation to help enable complex workflows and infrastructure for AI Ops
- PM hats include; integrating Agile processes, designing UI/UX workflows, interviewing customers, building product roadmaps

Bloomberg LP

Summer 2018

Software Engineering Intern

New York, NY

- >_ Automated live release Earnings/Economic Data into tables for the Breaking News Team
- Full-stack application developed in Bloomberg technologies, JavaScript (R+), Python (BAS), and SQL (Comdb2)

USC Institute for Creative Technologies

Fall 2017 - Spring 2018

Playa Vista, CA

Student Researcher

- Developed pipeline for capturing the life experiences of STEM mentors into a project called MentorPal
- Helped implement, train, and reduce an NLP model to provide a more immersive and streamlined experience

PlayStation

Summer 2017 San Francisco, CA

Software Engineering Intern >_ Planned, developed, tested, and launched minor/major features for the PlayStation Store team on the PS4 console

Worked as front-end developer on new search interface using XML/CSS, Web GL, and a custom JavaScript framework

Campus Leadership

Los Angeles Community Impact VP of Internal Relations and Team Leader

Fall 2015 - May 2019

Los Angeles, CA

Pro-bono consulting club at USC (five-time recipient of USC org of the year), works with NGOs/small businesses

- As VP of IR, designed databases / processes that aggregated past clients, project deliverables, and school resources to facilitate client acquisition and project operations
- As a Team Leader, managed a team for the Harold Robinson Foundation

Projects / Freelance Work

Boxi (React, Node, SQL, AWS)

Spring 2020 - Present

- Software Engineer, developing a new landing page for truck advertising company
- Product Manager of truck-tracking dashboard so clients can track their routes, impressions, and miles driven

Tommy Bot (Python, Node, MongoDB)

Fall 2016 - Spring 2018

- Messenger chatbot for all things related to USC (building location/hours, menus, events, etc.)
- 50,000 total interactions since launch in Jan 2017, \$10,000 in funding from USC Iovine and Young pitch competition
- Part of LavaLab's F16 cohort, USC's highly selective student run incubator

eYak (MongoDB, Express, React, Node)

Spring 2017

- Web application that combines the interface of Yik Yak and functionality of Piazza into an in-class discussion board
- Developed at LA Hacks 2017 with MERN Stack, demoed at USC Scope to local CEOs and CTOs of LA startups

Publications

Kaimakis, N.J., Davis, D.M., Breck, S. & Nye, B.D. (2018). "Domain-Specific Reduction of Language Model Databases: Overcoming Chatbot Implementation Obstacles". In the Proceedings of the ModSim World Conference, Norfolk, Virginia.

Breck, S., Carr, K., Davis, D. M., Nordhagen, J. N., and Nye, B. D. (2018). "Virtual Mentors in a Real STEM Fair: Experiences, Challenges, and Opportunities". In Third International Workshop on Intelligent Mentoring Systems (IMS 2018) Proceedings.

Skills C++, JavaScript (JQuery/Web GL/Backbone/React/Node), Python, HTML, CSS, MongoDB, SQL, Web Design, Figma Design

Educations

University of Southern California, Viterbi School of Engineering

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Aug 2015 - May 2019

Los Angeles, CA

Bachelor of Science in Computer Science Dean's List, Academic Achievement Award

Completed Coursework | Data Structures and OOD/ Algorithms/ Artificial Intelligence/ Discrete Methods in CS/ OS/ Pro C++

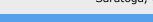
Saratoga High School

Graduated with Honors

May 2015 Saratoga, CA







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