

## Experience



### Microsoft

Fall 2019 – Present

#### Program Manager

Redmond, WA

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



### Bloomberg

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)



### PlayStation

Summer 2018

#### Software Engineering Intern

San Francisco, CA

- 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



### USC Institute for Creative Technologies

Fall 2017 – Spring 2018

#### Student Researcher

Playa Vista, CA

- 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

## Projects / Freelance Work

### Boxi *React, Node, SQL, AWS*

Spring 2020 – Present

- Developed new landing page to increase online/organic sales for truck advertising company – boxi.co
- Product Owner of 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++	■ ■ ■ ■ ■	JQuery	■ ■ ■ ■ ■
Java	■ ■ ■ ■ ■	React	■ ■ ■ ■ ■
Python	■ ■ ■ ■ ■	Node	■ ■ ■ ■ ■
SQL	■ ■ ■ ■ ■	HTML	■ ■ ■ ■ ■
AWS	■ ■ ■ ■ ■	CSS	■ ■ ■ ■ ■
Figma	■ ■ ■ ■ ■		

## University of Southern California, Viterbi School of Engineering

Aug 2015 – May 2019

*Bachelor of Science in Computer Science*

Los Angeles, CA

*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

May 2015

*Graduated with Honors*

Saratoga, CA