

# SAMUEL BRECK

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## EDUCATION

University of Southern  
California, 2015 – 2019

B.S. in Computer Science

## 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++	■	■	■	■	■
Java	■	■	■	■	■
Python	■	■	■	■	■
SQL	■	■	■	■	■
AWS	■	■	■	■	■
Figma	■	■	■	■	■
JQuery	■	■	■	■	■
React	■	■	■	■	■
Node	■	■	■	■	■
HTML	■	■	■	■	■
CSS	■	■	■	■	■

## WORK EXPERIENCE



### Valon

Product Manager | New York City, NY | January 2022 – Present  
Product / Operations / GM across Default and Onboarding verticals.



### Microsoft

Product Manager | Bellevue, WA | September 2019 – December 2021  
Microsoft Search in Bing (Experiences + Devices). Increased search relevancy and breadth by bringing advanced enrichment and indexing for data from Microsoft Graph Connectors. Core Services Engineering. Launched Network Automation Platform (Cloud + AI), partnership w/ RedHat, Cisco, and Azure to automate Network Devices configuration.



### Bloomberg

Software Engineering Intern | New York City, NY | May 2018 – August 2018  
Developed an automation pipeline for translating Earnings/Economic Data into a table format for the Bloomberg News Automation Team.



### PlayStation

Software Engineering Intern | San Francisco, CA | May 2017 – August 2017  
Launched PS Store Search 2.0 and Credit Card validation features for the PlayStation Store team on the PS4 console to over 60 million customers.



### USC Institute for Creative Technologies

Student Researcher | Playa Vista, CA | October 2017 – May 2018  
Developed a data-processing pipeline to capture and digitize the life experiences of STEM mentors for mentorpal.org. Boosted accuracy from 47% to 61% while minifying Google Word2Vec model by 70%.

## PROJECTS

### Boxi

React, Node, SQL, AWS | April 2020 – August 2021

Revamped and developed new landing page for boxi.co to increase partnerships and driver signups. Oversaw development of client-facing dashboard for route tracking, impressions, and mileage monitoring.

### Duet

React, Node, SQL | January 2019 – May 2019

Developed and launched donate, checkout, and inventory process for non-profit organization, giveduet.org as part of senior capstone project. Duet is a website to help people provide direct support to resettled refugees.

### Tommy Bot

Python, Node, MongoDB | January 2016 – February 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.