SAMUEL BRECK

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codeon19

samuelbreck.com

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

Microsoft

Program Manager | Redmond, WA | September 2019 – Present
Product Owner for Network Automation Platform (Cloud + AI), partnership w/ RedHat, Cisco, and Azure 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; interviewing customers, integrating Agile maturity processes, designing UI/UX workflows, architecting infrastructure, building product roadmaps.

B Bloomberg

Software Engineering Intern | New York City, NY | May 2018 – August 2018
Developed an automated pipeline for translating Earnings/Economic Data into a tabular format under the Bloomberg News Automation Team.
Validated MVP w/ customers by through multiple demos and feedback sessions.
Full-stack application developed in JavaScript (R+), Python (BAS), and SQL (Comdb2)

PlayStation

Software Engineering Intern | San Francisco, CA | May 2017 – August 2017
Planned, developed, tested, and launched major/minor features for the PlayStation Store team on the PS4 console (PS Store Search 2.0, Credit Card validation)
Front-end development concentrated on scalability (60 million users) and framerate (60fps), developed in XML/CSS, Web GL, and a custom JavaScript framework

USC Institute for Creative Technologies

Student Researcher | Playa Vista, CA | October 2017 – May 2018
Developed and built an "Alexa for mentorship" research funded project for potential STEM high school students, mentorpal.org
Developed data-processing pipeline capturing the life experiences of STEM mentors
Helped implement, train, and reduce an NLP model to provide a more immersive and streamlined experience (Q/A improved from 47% to 61% perfect match accuracy; Google's Word corpus reduced by 70% due to memory limits)

PROJECTS

Boxi
React, Node, SQL, AWS | April 2020 – Present
Developed new landing page to increase online/organic sales for truck advertising company, boxi.co. PO of online dashboard so clients can track their routes, impressions, and miles driven.

Duet
React, Node, SQL | January 2019 – May 2019
Developed 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. Part of LavaLab's F16 cohort, USC's highly selective student run incubator.