

Spencer Seeger

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EXPERIENCE

Google

Boulder, CO

Software Engineer

Jan 2022 – Present

- Designed and implemented re-ordering of delivery of machines enabling usable machines faster
- Added functionality that lets users see blocking projects and estimated start and times
- Improved internal diffing libraries to enable easy diffing and visualization of diff between protos for all of Google
- Enhanced status messages between products to improve visibility into current deployment statuses
- Developed and launched a new UI for an internal workflow execution engine

Microsoft

Bellevue, WA

Software Engineer

July 202 – Jan 2022

- Maintained and developed code that supported search across O365 (ex. SharePoint, Outlook, etc.)
- Developed and lead project to reduce exceptions to increase stability and reduce RAM and CPU usage
- Reduced logging size by 20% to reduce disk space usage and improve query performance
- Enhanced logging that enabled developers to root cause bugs and resolve customer escalations faster
- Identified slow running tests and reduced the running time by 15% (10+ minutes per run)

Sam's Club Technology

Bentonville, AR

Software Engineer

July 2018 – July 2020

- Developed and deployed a chat bot to answer questions for customers and employees 10x faster than traditional methods
- Scaled and improved general performance to serve 500 queries per second
- Designed and implemented a training pipeline for natural language understanding machine learning models
- Enabled horizontal scaling by implementing a messaging bus to keep all machines in sync with current data
- Maintained and added features to developer portal so users could easily search for conversations flows and chat history

Brigham Young University

Provo, UT

Research Assistant

May 2016 – April 2018

- Assisted in developing a language that represents conceptual models and wrote an interpreter for that language
- Built a Java program that represents a user written conceptual model and then imports data associated with that model and checks for errors with the data
- Led project team to manage development and deployment of rules in use by the model to find inconsistencies in people's family trees
- Presented at RootsTech showing people how to use the tool to find errors in their family tree data

ACHIEVEMENTS

US Patent WO2020223122A1

Systems and methods for processing retail facility-related information requests of retail facility workers

Ontological Deep Data Cleaning

Published 2018

EDUCATION

Brigham Young University

Provo, UT

BS, Double Major in Computer Science Statistical Science with Minor in Math; GPA: 3.51/4.00

2014 – 2018

PROJECTS

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- Built using React as the template and Gatsby to proudece static files to host
- Developed an AI Connect 4 bot that uses Monte Carlo Tree Search to estimate the next best move
- Created an ML model using auot encoders to encode a 2d space into a "handwritten character" using pytorch and onnx