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Topics of Interest:

Applied Linear Algebra
Natural Language Processing
Distributed Systems
Information Retrieval
Mathematical Logic
Fuzzy Set Theory

Experience**Microsoft — Summer 2018**

Explorer Intern under Bing Engineering. Developed a dashboard for developers to manage compute resources, search logs, visualize events in their stream processing pipeline, and deploy updates to servers.

Contract Software Engineer, National Nursing & Rehab — Summer 2017

Developed an automated system to transfer patient records from the company's legacy EMR system to an in-house database. Collaborated with the developers of their current EMR system to design a hiring service integrated with the EMR, payroll, and employee benefits systems.

Education**Texas A&M University — May 2020 GPA: 3.4**

B.S. Computer Science with Minors in Mathematics and Philosophy.

Projects**Thesaurus-API**

Python interface for thesaurus.com. Used by NLP researchers at National Taiwan University, and The German National Library of Economics in Kiel.

t3al

A document sharing website with fully searchable records and automatic classification. Runs on a five-node computer cluster I built with a friend.

Queria

Smart search for question-answer discourse, using natural language processing and fuzzy string matching on multiple Google results.

Follow the Leader

Game theory applied to investing portfolios. Python data analysis of marketwatch.com's public games, with a self-designed algorithmic ranking system to calculate the best trades.

Skills

Languages: Python, C++, Haskell, C#, Matlab, C, Erlang

Databases: Elasticsearch, MongoDB

Tools: git, bash, Apache Tika, Heroku

Frameworks/Libraries: NumPy, scikit-learn, OpenGL, OpenCV, Flask, vue.js
