

Daniel Choo

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SKILLS

Languages: Python, Java, Go, C++, TypeScript, HTML

Technologies: Angular, React, Docker, Git, Spring Boot, gRPC, Jira, Confluence, Unix, Jenkins, Postman, MongoDB, Postgres, NumPy, TensorFlow, NLTK

EMPLOYMENT

Tecore Networks

Hanover, MD

Software Engineer

Sept 2021 — Present

- Owned a section of a full-stack web application that allowed users to configure and monitor the status of their server and radio equipment, saving operators 20% of their time
- Automated the workflow of the Customer Response Center by, reducing time to generate daily reports by over 95%
- Actively participated in meetings involving stakeholders and upper management to formulate solutions to network monitoring problems
- Created documentation to facilitate onboarding and to enable engineers to quickly pick up concepts

University of Maryland, Baltimore County

Baltimore, MD

History Research Assistant

September 2016 — May 2017

- Facilitated the professor's research by compiling and analyzing thousands of pages of primary, historical manuscripts and secondary sources
- Conducted and organized independent research regarding the relationship between Manchuria and Korea between the 16th-to-19th century

PROJECTS

Twump

- Utilized Tweepy—Twitter's RESTful API—to extract the most recent 3,000 tweets from a desired user's timeline into a JSON file
- Applied NLTK's Vader sentiment analyzer to determine a user's sentiment based on their tweets

Search Engine

- Applied information retrieval techniques to allow users to query from a cached postings file, containing the number of the documents and the TF-IDF value, that was generated from a corpus of 500 HTML documents
- Performed hierarchical agglomerative clustering on TF-IDF values to find relationships and similarities between HTML documents

SONIC

- Played the role of Scrum Master in a team of five students to create a class scheduling system that would optimize scheduling classes into different time blocks
- Assisted in developing the solution to the constraint satisfaction problem using python-constraints, and the front-end by utilizing kivy

EDUCATION

University of Maryland, Baltimore County

B.S. Computer Science, Minor: History

Baltimore, MD

Fall 2020