Hubert Jacob Jo

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EDUCATION

University of Michigan   **Jan. 2019 -June 2022 (Expected)**
B.S.E. Computer Science   *Ann Arbor, MI*

WORK EXPERIENCE

Chief Technology Officer - Green Hub   **June 2019 – August 2019**
Html, CSS, Javascript, Firebase, Adobe XD   *Cascais, Portugal*
- Established a startup with 500+ willing supporters connecting homeowners to contractors
- Built a launch website to collect, organize, and sort through 500+ names, and emails
- Developed a prototype with user interface and interaction

Data Systems Admin - United States Marine Corps   **Dec. 2016 – 2018**
Linux, CLI, MySql   *San Bruno, CA*
- Installed, configured, and maintained network services, both hardware and software
- Evaluated and resolved customer information system problems
- Worked on a 48 hour project in optimizing user database queries

PROJECTS (*All code available upon request*)

Instagram Clone
HTML, CSS, Javascript, React, Python(Flask), Sqlite
- Created a Instagram Clone with a user login page, user account page, and main screen page
- Constructed client-side dynamic pages using React (infinite scroll, updated comments/likes, double click to like)
- Integrated server-side dynamic pages with (Create, Read, Update, Delete) sessions, and SQL database usage

Search Engine
React, Python(Flask)
- Implemented a scalable search engine similar to a commercial search engine
- Devised information retrieval based on tf-idf and PageRank scores
- Programmed a MapReduce server (multiprocess, multi-threaded server) to process large amounts of data
- Designed a search engine interface with two special features: user-driven scoring and summarization

Machine Learning Classifier
C++
- Developed a classifying program that would correctly sort various piazza posts to their correct topic
- Sorted posts by iterating through each word of a post to find the highest percentage relationship between given word and all other words in the same topic
- Utilizes a math finding relationship algorithm between piazza topics and specific piazza posts

RELEVANT COURSEWORK
- Data Structures and Algorithms, Web Systems, Database Systems, Foundations of Computer Science

ADDITIONAL INFORMATION

Art Technology: Adobe Photoshop, Adobe XD, Figma