KYLE SVARA

✉ kjsvara2@illinois.edu 🌐 ksvara45.github.io in kyle-svara 📞 815-715-4886

EDUCATION

University of Illinois at Urbana-Champaign   **May 2021**
Bachelor of Science in Computer Engineering
Relevant Coursework: Computer Systems Programming, Data Structures, Database Systems, Applied Parallel Programming, Algorithms, Computer Systems & Programming, Analog Signal Processing

WORK EXPERIENCE

Bank of America   **Charlotte, NC**
Global Tech Analyst   May 2020 – Aug 2020

- Scraped over financial and regulatory documents to build a NLP language model (corpus) using Python to clean and process documents into the proper format based on exploratory data analysis
- Utilized TextBlob library to analyze polarity and sentiment of each sentence, creating numerous data visualizations including heat maps and word clouds
- Model will be shared across the enterprise to build chatbots, translations, and other proprietary intellectual property

Digital Forces   **Plainfield, IL**
Computer Engineering Intern   May 2019 – Aug 2019

- Tested mobile web application to ensure proper functionality in corner cases and identified areas of improvement while maintaining communication with app developers and designers
- Designed the automation procedure for detecting safe and unsafe asphalt loading conditions for a multilayered neural network project
- Troubleshot and repaired malfunctioning computers, laptops, and other technical devices for clients while meeting varying deadlines

Electrical Engineering Intern   May 2018 – August 2018

- Constructed optocoupler circuitry for mass production which converted AC input to logically high/low output
- Designed State Transition Diagram for industrial printer that company sold, consisting of 14 states and 35 transitions
- Managed and facilitated sales of company's eBay account while taking inventory of 40+ listed items and upholding 100% positive customer feedback

CAMPUS INVOLVEMENT

Illinois Business Consulting
Project Manager (January 2020 – Present)

- Managed team of consultants with coordination from client
- Scoped semester's project from start to finish and led team in series of new consultant training sessions
- Created an ARIMAX sales forecasting model that improved accuracy by 130% and made recommendations that combated current operational limitations

Consultant (January 2019 – May 2019), Senior Consultant (August 2019 – December 2019)

- Participated and led project with a diverse team of 7 to facilitate weekly client interactions and develop methods to promote company growth
- Researched competitive landscape, leveraged professional research, and analyzed platform insights for a Fortune 500 manufacturing company
- Analyzed the plausibility of incorporating quantum computing in several facets of their company

Illinois Men's Ultimate Frisbee
Member (2017 – Present)

- Committed eight hours weekly for team practices which translated to two-time sectionals qualifications
- Organized game film reviews to analyze team progress and methods to improve team dynamic

SKILLS

Programming: Python, C, C++, Java, LC-3 Assembly, Verilog
Industry Tools: git, Linux, Signal Processing, Circuit Design, Tableau