Muhammed Abdel Hamid Shelleh

872-808-8009 | ⌂ Chicago, IL 60659 | muhammedshelleh@gmail.com | 🔗 linkedin/muhammed-shelleh | ⚘mimoesa.io

EDUCATION

Master's of Computer Science   Jan 2020 – Dec 2021
University of Central Florida   *Orlando, FL*

SKILLS

Languages: Python, Java, C, R, SQL, LaTeX, OCaml
Libraries: Numpy/Pandas, PyTorch/Tensorflow, BERT, Selenium/BeautifulSoup
Tools: Git/Terminal, Tableau, JIRA, Azure/AWS, WordPress, Electron, Splunk

EXPERIENCE

Endpoint Technical Support Specialist   Nov 2022 – Jan 2023
Northwestern University IT   *Evanston, IL*
- Offered Endpoint Device Management & troubleshooting at the Rebecca Crown Center. Applied working knowledge of internal systems & devices to solve issues.

Intern, Regulatory Affairs CMC (Chemistry, Manufacturing & Controls)   May 2022 – Aug 2022
AbbVie   *Waukegan, IL*
- Assisted with new & existing Knowledge Management/Regulatory Intelligence tools & databases, including the department SharePoint re-design & implementing an AI system for internal searches.

IT Analyst Intern   May 2021 – Aug 2021
Texas Instruments   *Dallas, TX*
- Executed robust test plans to cover all phases of testing including unit, integration, & user acceptance tests.

Deskside Services Advisor   Jan 2022 – Mar 2022
KPMG   *Lake Nona, FL*
- Offered intermediate level Windows operating system troubleshooting & intermediate level network troubleshooting. Performed the troubleshooting/break-fix, configuration, distribution & implementation of Windows/Mac systems.

Graduate Instructor   Oct 2020 – Dec 2022
University of Central Florida   *Orlando, FL*
- Managed live programming sessions in C to teach students topics relevant to compilers, linkers, & loaders.

Graduate Research Assistant   *May 2021 – Aug 2022*
- Developed & documented a new system & algorithm for sentiment analysis in telehealth systems, funded by the National Science Foundation under NSF Grant #2128684. Reviewed & wrote programs in R & Python for data manipulation & analysis, & analytical reporting for statistical models.

IT Applications Programming Analyst   Jul 2020 – Oct 2020
Rayonier Advanced Materials   *Jacksonville, FL*
- Maintained business systems including configuration, code management & programming using Python, cron jobs, SQL & Web reports. Wrote & edited several PowerShell scripts to reduce installation times by about 20%.

PROJECTS

MADI: | *Predictive Modeling in Healthcare Data*   Jul 2021
- Developed a comprehensive predictive modeling approach using AI techniques to identify & rectify data incompleteness in healthcare records. Published a Journal article within IEEE Access.

PC-LSTM: | *Advanced Data Analytics for Healthcare*   Jan 2022
- Innovated a Long Short-Term Memory (LSTM) based model to enhance predictive analytics in healthcare data.
- Published a Conference article within IEEE EMBC 2022, focusing on improving accuracy and completeness in electronic health records.

THNN: | *NLP and AI in Telehealth Data Science*   Aug 2022
- Created an integrated model combining Natural Language Processing (NLP) and AI for advanced data analysis in telehealth, enhancing data quality and patient care through improved sentiment and data incompleteness analysis. Published a Conference article within IEEE EMBC 2023.