Soumeng Chea

Willing to Relocate | Boston, MA | Lowell, MA | cheasoumeng@gmail.com | (978) 995-9219 | LinkedIn | soumengchea.com | GitHub

OBJECTIVE SUMMARY

Dynamic Data Engineer with extensive experience building and maintaining data pipelines, cloud-based systems, and data security protocols. Proficient in Python, SQL, and data orchestration tools. Adept at ensuring data reliability and quality. Seeking to leverage my skills to drive impactful data management solutions at Trading Technologies.

EXPERIENCES

UCARE PHARMACY   Phnom Penh, Cambodia (Virtual)
Data Engineer | Freelance   *June 2023 – Present*
- Pioneered cloud-based systems for nuanced data analysis using Azure, boosting forecasting precision by 25%.
- Developed and maintained data pipelines using Dagster and Airflow.
- Utilized Pandas, PySpark, and DuckDB for data manipulation and analysis.

DAWN CAFÉ   Phnom Penh, Cambodia (Virtual)
UX Consultant | Freelance   *February – July 2023*
- Overhauled mobile app interfaces, yielding a 20% surge in user engagement and 15% in orders.
- Conducted data-driven UX research using Python and web scraping tools like BeautifulSoup and Selenium.

NORTHEASTERN UNIVERSITY   Boston, MA
Student Recruitment Ambassador | Khoury College of Computer Sciences   *April 2021 – August 2022*
- Leveraged agile methodologies to spearhead marketing strategies, achieving a 10% uptick in applicants.
- Served as a pivotal contact for potential students, guiding them through admissions.

INNSURE, INC.   Boston, MA
UX Designer Externship | Human-Centered Prototype Development   *February – May 2022*
- Consulted and led a team of 4 tasked with implementing UI design techniques to develop high-fidelity prototypes using Figma that will target audiences of risk analysts of climate-related future costs.

PROJECTS

ZERO WASTE FOOD TRACKING APPLICATION *(2021)*
- Spearheaded the A/B testing of sustainable food waste reduction interfaces, successfully encouraging a 20% behavioral shift towards eco-friendly practices.

IOT – SMART HOME: ARE YOU ALWAYS LISTENING? *(2021)*
- Conducted substantial mixed-methods research on smart home device security, revealing critical privacy vulnerabilities through statistical analysis and participant interviews.

EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA   *August 2022*
M.S in Computer Science, Focus: Data Science/Machine Learning, and Human-Centered AI
Relevant Coursework: Human/Computer Interaction, Data Mining Technique, Theory and Method in Human-Computer Interaction (Ph.D. Seminar), Privacy, Security, and Usability

UNIVERSITY OF MASSACHUSETTS, Lowell, MA   *February 2019*
B.A. in Political Science, Dean's List, Cum Laude Honors
Relevant Coursework: Political Analysis, Research Method in Political Science, Intro. to Statistic, Direct Studies: Independence Research

TECHNICAL SKILLS

Languages:	Python, SQL, JavaScript, HTML, R
ML & Data:	TensorFlow, PyTorch, Scikit-learn, Pandas, PySpark, Polars, DuckDB
Cloud & Orchestration:	Azure, AWS, Airflow, Dagster, Prefect
Visualization:	Matplotlib, Seaborn, Tableau, Power BI
Web Scraping & ETL:	BeautifulSoup, Selenium, Playwright, requests, Fivetran, Hightouch
Additional:	Predictive Modeling, EDA, Usability Testing, Agile PM, User Research