

Soumeng Chea

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

OBJECTIVE SUMMARY

Data Engineering and Analysis professional with a robust background in computer science, emphasizing data science, machine learning, and AI. Experienced in developing scalable cloud-based solutions and leading UX/UI design projects. Eager to apply predictive modeling, data visualization, and agile methodologies to solve complex business challenges. Graduated from Northeastern University with an M.S. in Computer Science, specializing in Data Science/Machine Learning and Human-Centered AI.

EXPERIENCES

UCARE PHARMACY

Data Engineer | Freelance

Phnom Penh, Cambodia (Virtual)

June 2023 – Present

- Prototype and scale predictive models for inventory management using Python, SQL, and machine learning libraries (TensorFlow, Scikit-learn), enhancing forecasting accuracy by 25%.
- Leading the analytics initiatives, providing data-driven insights to inform strategic decisions across business units.

DAWN CAFÉ

UX Consultant | Freelance

Phnom Penh, Cambodia (Virtual)

February – July 2023

- Mentored teams in UX/UI principles, driving a design excellence culture and spearheading a mobile app redesign that increased user engagement by 20% and online orders by 15%.
- Utilized in-depth color and font theory knowledge to establish a cohesive and visually appealing brand identity, enhancing customer recognition and loyalty.

NORTHEASTERN UNIVERSITY

Student Recruitment Ambassador | Khoury College of Computer Sciences

Boston, MA

April 2021 – August 2022

- Employed agile methodologies to create marketing presentations, resulting in a 10% increase in program applicants.
- Acted as a point of contact for prospective students, facilitating Q&A and providing detailed overviews.

INNSURE, INC.

UX Designer Externship | Human-Centered Prototype Development

Boston, MA

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

ICODEALITTLE: AI Chatbot (Ongoing)

- Developing an NLP-based AI chatbot, focusing on enhancing user interactions through personalized responses. Utilizing TensorFlow and HuggingFace for deep learning models.

ANIME RECOMMENDATION SYSTEM

- Built a recommendation system using collaborative and content-based filtering techniques, improving user satisfaction and engagement.

EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA

August 2022

M.S in Computer Science, Focus: Data Science/Machine Learning, and Human-Centered AI

Relevant Coursework: Data Mining Technique, Special Topic: Data Science (PhD 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/Tools:	Python, R, SQL, NoSQL, Jupyter Notebook, Git
Machine Learning Libraries:	TensorFlow, PyTorch, Scikit-learn, HuggingFace
Data Visualization:	Matplotlib, Seaborn, Tableau, Power BI
Statistical Analysis:	Regression Analysis, Bayesian Methods, Hypothesis Testing