

Soumeng Chea

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OBJECTIVE SUMMARY

Dynamic and results-driven Data Scientist with an M.S. in Computer Science focusing on Data Science/Machine Learning and Human-Centered AI. Proficient in leveraging advanced analytics, predictive modeling, and statistical analysis to uncover insights and drive strategic business decisions. Experienced in developing scalable machine learning models and utilizing data visualization tools to communicate findings effectively. Passionate about employing ethical AI and innovative data solutions to solve complex challenges. Eager to contribute to the organization’s success through impactful data science initiatives.

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

- Trained and mentored cross-functional teams in UX/UI design principles, fostering a culture of design excellence within the organization.
- Spearheaded the redesign of the cafe's mobile application, resulting in a 20% increase in user engagement and a 15% boost in online orders.
- 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

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

August 2022

UNIVERSITY OF MASSACHUSETTS, Lowell, MA

B.A. in Political Science, Dean’s List, Cum Laude Honors

February 2019

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