

Xamantha Laos Cueva (www.linkedin.com/in/xamantha-laos-cueva | [Github](#) | xamanthalaos2024@u.northwestern.edu)

EDUCATION

Northwestern University, Evanston, IL.

September 2020 - June 2024

BA/MS Degree program: Master of Science in Computer Science and Bachelor of Arts in Statistics

GPA: **3.91/4.00** / Relevant Coursework: Data Structures, Data Visualization, Object-Oriented programming, Web development

AWARDS AND SKILLS

Awards: **Dean's List, Northwestern University, Outstanding Peer Mentor Spring 2022, Northwestern University CS Department**

Recognition to students who demonstrate excellence in Computer Science mentoring. **Davis Scholarship, Davis Foundation**-\$100,000 awarded towards undergraduate studies. **Opportunity Fund Recipient** -\$1,000 awarded to students leading a start-up to offset costs.

Programming: Python, HTML, C++, CSS, JS, R, Bash / Technologies: Git, React.js, MySQL, MongoDB, P5.js, Tableau

Languages: Fluent Spanish and English. A2 German.

RELEVANT EXPERIENCE

Blackstone, San Francisco, CA. | **Incoming Summer Analyst – Full Time Internship**

June 2023 – August 2023

Northwestern University Statistics Department, Evanston, IL. | **Teaching Assistant – Campus Job**

September 2022 – Present

- Worked 7 hours per week as a Teaching Assistant (TA) for the class STAT 301-1: Data Science with Python sequence
- Graded +100 assignments, held office hours, and attended all class lectures to deliver in-class support for +50 students

McKinsey & Company, Chicago, IL. | **Business Analyst – Full Time Internship**

June 2022 – September 2022

- Designed and classified +15 digital use cases for 7 business units for the digital transformation of a Fortune 500 company
- Compiled and broke down +50 KPIs to assess the current state and success scenarios for the integration of an ERP platform
- Analyzed costs and benefits of +100 initiatives for a 2-year digital roadmap to input the data into a Python sequencer and enable an AI algorithm to optimize and determine priorities to deliver ~\$1B value arising from gains in productivity and growth
- Led Data Governance (DG) efforts to determine the company DG's status and propose improvement areas to the CTO and CDO

Northwestern University IT, Evanston, IL. | **Research Computing Student Consultant – Campus Job**

January 2022 – Present

- Provided feedback on +10 guides to help researchers use a Linux-based HPC (High-Performance Computing) environment
- Created 6 tutorials on text editors (vim and nano), bash, job submissions, and command-line to help beginners with HPC

McKinsey & Company, Chicago, IL. | **Business Analyst – Full Time Internship**

June 2021 – September 2021

- Conducted comparative analysis on 6 file-sharing applications for UX research to improve the design of an internal platform
- Produced 3 categories of dummy data to design a dashboard prototype on how to analyze and report real-time activity in the cloud, work emails, personal emails, and physical devices (USBs) using the “ggplot2” package from R
- Researched and outlined a strategy for the Information Protection Program (IPP) team to prevent and mitigate risks of data leaks from insider threats by presenting technological enterprise solutions and policy recommendations regarding work devices

Northwestern University Computer Science Department, Evanston, IL. | **Peer Mentor – Campus Job**

April 2021 – June 2022

- Worked 6 hours/week as a Peer Mentor (PM) for the class “CS 111: Fundamental of Computer Science” by assisting students with their functional/imperative programming assignments for which I was awarded a recognition as an outstanding PM

Canopy Lab, Copenhagen, Denmark. | **Student Assistant – Part Time Job**

April 2020 – April 2021

- Led NGO outreach efforts in an Ed-Tech start-up and increased partnerships by 85% and country diversity by 230% in 3 months
- Collaborated on the development process of 3 Artificial Intelligence (AI) applications such as automatizations, building the neurological system of a chat box, and feeding an AI program with manual input to create knowledge tags on its own
- Built a program to automate the process of generating +400 course certificates using Python, saving up to 90% time

PROJECTS

Photo App (username: webdev, password: password) | **Python, Flask, Heroku, PostgreSQL, CSS, HTML, JS, React, Postman.**

- Built 2 versions of an Instagram clone (React and HTML, CSS, JS) with features such as liking/commenting/bookmarking a post
- Implemented REST API endpoints using SQLAlchemy and flask to manage users' data for client-side interactions
- Employed JSON web tokens for authentication/privacy settings and prioritized accessibility using alt text, wave extension, etc.

Currency Chatbot | **Git, Python, Twilio API, Rapid API, Heroku.**

- WhatsApp chatbot for currency conversion that supports +15 currencies. Tested with ngrok tunnel and deployed through Heroku

Data Science Projects | **R, Git, Kaggle API, Markdown, Python.**

- Project 1: Conducted an Exploratory Data Analysis (EDA) on a data set with +200,000 observations regarding the people's perceptions on social issues in the Andean region using R (tidyverse, shiny, plotly, etc.)
- Project 2: Trained 40 models to predict the like to view count ratio of +10,000 YouTube videos achieving a 66% of accuracy