

Christopher Lawson

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EDUCATION

The University of Texas at Austin, Austin, TX

Master of Computer Science

May 2024

GPA 3.8

Relevant Coursework:

Neural Networks, Machine Learning, Natural Language Processing, Robot Learning

Bachelor of Science, Computer Science

May 2022

GPA 3.895

Relevant Coursework:

Operating Systems, Data Structures, Energy Analytics – Machine Learning

El Paso Community College, El Paso, TX

May 2018

Associates of Arts, Computer Science

GPA 4.00

President's Honor roll (2015-2018)

Relevant Coursework:

Calculus 1-3, Differential Equations, Engineering Physics 1-2

SKILLS

Technical/Computer Skills: Lisp, Clojure, Python, C, C++, Java, SQL, Javascript

Languages: Fluent Spanish

Certifications: Microsoft Office Specialist (MOS) certification- 2017

EXPERIENCE

University of Texas at Austin, Austin, TX

July 2023 – Present

Web Developer

- In charge of maintaining a professors hub website for all ongoing projects
- Involves doing website maintenance and including new features with the evolving nature of the projects.
- Features include Training Scheduling Program / Interface, User Permission access.
- Framework built in React and deployed through GCP

CSAA a AAA Provider, Walnut Creek, CA

May 2023 – August 2023

Data Science Intern

- Responsible for the full development of a recommendation system (AAA Like Me).
- Conducted Data Sourcing and learned Snowflake and Amazon SageMaker retrieve information and set up programming environment
- Recommender system tested out various Machine Learning techniques such as Collaborative filtering specifically using the apriori algorithm

University of Texas at Austin, Austin, TX

January 2023 – June 2023

Natural Language Processing Researcher

- Project dealt with finding a quantitative measure for evaluating human translation.
- Context for the problem was to evaluate the Spanish translations of first generation children who's parents did not speak English
- Several evaluation techniques were used, but all came from Natural Language Processing.
- Final score was derived from BERTScore, Comet, and various other measures that measured the cadence of speech, number of pauses and times they switched back to English.
- Finally took project and deployed an executable such that non-computer science personal could run an evaluation on a given transcript to get a final score.

findhelp, Austin, TX

June 2022 – August 2022

Data Science Intern

- Was responsible for being able to accurately predict how long it would take for a customer to get the help they needed after they got in contact with a program.
- Required fast learning and understanding of all data available to us from the company and be able to extract the relevant information to answer the question.
- Involved in Data Cleaning, Feature Selection, and Model Design and Creation
- Tasked with presenting findings in a both technical and general level

University of Texas at Austin, Austin, TX

August 2021 – May 2022

Undergraduate Teaching Assistant for Computer Operating Systems

- Responsible for helping with teaching for Operating systems by helping with answering questions and holding office hours
- Help with coming up with quiz questions, rubrics, and other grading metrics for the students

TIDES Advanced Summer Research Fellowship, Austin, TX

June 2020 – July 2020

Researcher

- Adapted a Convolutional General Adversarial Network to construct formation borders from satellite images
- Experienced a fast-paced work environment to learn, apply, and improve projects across sprints
- Technical Skills learned:
 - Python Pandas
 - Python Sci-kit-learn
 - CGANs
 - Image processing

El Paso Community College, El Paso, TX

June 2018 - August 2019

Academic Tutor

- Engaged roughly 15 to 20 students a week in all Math, Computer Science and Physics classes that are taught at the community college
- Tutored all students from ages 13 to 40+. Improved communication skills by occasionally assisting Spanish speaking students.

PROJECTS

- **UT PGE - Data Science Hackathon – 1st:** Used Data analytic strategies such as Machine learning models, feature engineering and selection, and domain knowledge to determine how much oil certain wells would produce given geologic data of nearby wells.
- **UT Inventors program - Best Frac Crew:** Given data regarding various fracking crews, provided by an Oil and Gas company, we were tasked with determining which Frac crew did the best job.
 - Used feature aggregation, selection, and sampling along with machine learning models to quantify “best” and answer the project question.