

# Christopher Lawson

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## EDUCATION

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**The University of Texas at Austin**, Austin, TX

May 2022

*Bachelor of Science, Computer Science*

GPA 3.86

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

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**Technical/Computer Skills:** Basic Lisp, Clojure, Intermediate Python, C, C++, Advanced Java

**Languages:** Fluent Spanish

**Certifications:** Microsoft Office Specialist (MOS) certification- 2017

## EXPERIENCE

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**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.
- Skills used:
  - Problem Solving
  - Effective Communication
  - Teamwork
  - Adaptability

## PROJECTS

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- **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.