ELI EVANS

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Education

THE UNIVERSITY OF TEXAS AT DALLAS, Cognitive Science Major *Fall 2020 - Present*

GPA 3.9: Concentration in Artificial Intelligence and Psychology, studying information processing of humans and machines and how they interact. Additionally working towards a minor in History.

UNIVERSITY OF NORTH TEXAS, Texas Academy of Mathematics and Science *Fall 2018 - Spring 2020*

GPA 3.9: Scholarship awarded student on computer science track. TAMS is an accelerated program for high-school students who have demonstrated a passion for STEM.

TARRANT COUNTY COLLEGE *Fall 2017 - Spring 2018*

GPA 3.8: Completed 17 hours general studies in topics such as music, economics, and psychology.

Work Experience

THE MITRE CORPORATION, Artificial Intelligence Research Intern *June 2021 - August 2021*

Internship position working with adversarial artificial intelligence in both a development and research role. Responsibilities included creating metrics to evaluate adversarial attacks, testing how changes to parameters such as patch size impacted performance, and applying and documenting various types of open-source adversarial attacks. Used Python, Foolbox, Seaborn, Numpy, Pandas, Git, and PyTorch.

LOCKHEED MARTIN CORPORATION, Software Intern *May 2019 - December 2019*

Internship position working on the SkyKeeper command and control battle manager. Responsibilities included debugging product graphical user interfaces (GUI), integrating internal software function interfaces, and writing software to record internal product messages during real-time system simulation. Used C++, Java, RTI DDS Middleware, Netbeans, and Git.

Technical Skills and Experience

LANGUAGE PROFICIENCIES

Proficient in Java, C++, Python

DATA CAMP COURSES *2020 - 2021*

Completion of Python courses in deep learning and data science. Libraries learned include Keras, Scikit-learn, Scrapy, Pandas, Matplotlib, Numpy, and Seaborn.

CROCODILI CLIP *March 2017- March 2018*

Founding Partner involved in product design for lunchbox accessories. Responsibilities included:

- Market development research
- Patent Application Process
- 3D model design and review
- Contacting partners for logo, website, and manufacturing design

Extracurricular

PROJECTS

- **Coins of the Seven Seas:** Processes pictures of 1700's Spanish coinage with a Keras Sequential model, predicting whether a given coin is a real or escudo with 100% accuracy in 20 epochs with Pandas, Scikit-learn, Numpy, and Matplotlib in Jupyter.
- **Credit Rating Prediction:** Predicts loan acceptance using Scikit-learn's random forest classifier, achieving test accuracy of 92% after 50 epochs with Pandas, Numpy, and Seaborn in Jupyter.

VOLUNTEER EXPERIENCE

Physics Volunteering Coordinator, Explorium Interactive Science Museum, Middle School Physics Tutor, Code Ed, Elm Fork Homeschool Labs Tutor

FIRST ROBOTICS *Fall 2018- Spring 2020*

Member of the electrical and software team focused on vision and mechanical assembly.

HACKATHONS *2017 - 2021*

THE CAPACITOR (1ST Place) *March 2017*

Mentored by entrepreneurs, participants received a crash course in branding, marketing, and concept development. Created competitive team for my idea, a lunchbox accessory that enables kids to open packaging independently. Our team received 1ST place, seed money, and partnerships for business mentorship.