JACOB DEVASIER

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EDUCATION

University of Texas at Arlington   Fall 2019 - Present
Ph.D. in Computer Science and Engineering   GPA: 3.6/4

University of Texas at Arlington   Fall 2015 - Spring 2019
B.S. in Computer Science and Engineering   Major GPA: 3.6/4

TECHNICAL SKILLS

Programming Languages	Python, JavaScript, C/C++, C#, Java, PHP, HTML/CSS
Software & Frameworks	PyTorch, Tensorflow, SK-Learn, NLTK, Flask, SQL, Git
Relevant Coursework	Neural Networks, Machine Learning, NLP, Computer Vision

PROJECTS

ClaimBuster   Fall 2019 - Present
· Detects fact check-worthy statements to combat misinformation and fake news on social media
· Deployed LSTM, SVM, and BERT-based transformer models for use by collaborators

ClaimFrame   Fall 2020 - Present
· Classifies textual data into semantic frames and their respective frame elements based on the FrameNet project for applications in structured information retrieval and fact checking

Traffic Pi (Senior Project)   September 2018 - May 2019
· Performs autonomous traffic studies using computer vision and machine learning by automatically computing the speed of cars driving through a designated zone

EXPERIENCE

University of Texas at Arlington - IDIR Lab   November 2018 - Present
Undergraduate/Graduate Research Assistant
· Conducted NLP research on frame-semantic parsing and automated fact checking
· Developed and deployed machine learning models to detect fact check-worthy claims

University of Texas at Arlington CSE Department   May 2019 - August 2020
Web Developer
· Developed web applications for faculty and staff using Python, SQL, HTML/CSS, and JavaScript using the Flask framework

TECHNICAL PAPERS

· *Gradient-Based Adversarial Training on Transformer Networks for Detecting Check-Worthy Factual Claims*, arXiv:2002.07725v2

AWARDS AND FELLOWSHIPS

· Awarded GAANN Fellowship for Ph.D. research in computer science for 2.5 years
· Awarded $6,000 prize for UTA's College of Business Maverick Business Pitch