

Damian Jimenez

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(817) 880 5467

Education

Ph.D. Computer Science

The University of Texas at Arlington

Spring 2022 (Projected)

BS Computer Science

The University of Texas at Arlington

3.761 GPA

Spring 2017

BS Human Biology: Pathogenesis and Immunity

The University of Texas at Austin

May 2013

Skills

Languages: Python, JavaScript, HTML/CSS, SQL, Java, C, C#

Tools: TensorFlow, Sanic, Flask, IntelliJ IDE's, Visual Studio, GitHub, TeamCity, GitHub Actions, Google Cloud, Windows, Mac OS, Linux

Knowledge and Experience

Experience

Web Developer

2017 – Present

Web developer for the CSE department focused on bringing new technologies to the development platform (e.g., Python/Flask). We use GitHub to control the development workflow. Developed an authentication page using an LDAP server that serves as a portal for our web-apps and developed several custom applications to facilitate managerial tasks for the department (cse.uta.edu/mavapps/).

ClaimBuster API & Slack App

Fall 2016-Present

ClaimBuster API (idir.uta.edu/claimbuster/api/) development using the Sanic framework in Python, and Slack integration via a chatbot. Developed a Restful API for the ClaimBuster project and integrated the API into a Slack chatbot that responded to Slack slash commands. The API has served SVM and BERT based machine learning models which require an API key to call.

Automated Fact-checking

Fall 2016

Worked on an automated fact-checking platform for the Fast & Furious Fact Check Challenge sponsored by HeroX with a small research team. We combined several approaches: sending natural language queries to knowledge bases, cross-referencing a local fact-check database, and providing re-ranked search results using a Jaccard similarity approach.

Extracurricular/Achievements

GAANN Fellow

Spring 2017 – Present

NSF Funded Research (REU)

Summer/Fall 2016

Dean's List

Spring/Fall 2015, 2016 & Spring 2017

Publications

- 1 K. Meng (co-first-author), D. Jimenez (co-first-author), F. Arslan, J. D. Devasier, D. Obembe, C. Li. Gradient-Based Adversarial Training on Transformer Networks for Detecting Check-Worthy Factual Claims. *27th SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*. Singapore (Online). August 2021. (Submitted)
 - 2 Z. Zhengyuan, K. Meng, J. Caraballo, I. Jaradat, X. Shi, Z. Zhang, F. Akrami, H. Liao, F. Arslan, D. Jimenez, M. S. Saeef, P. Pathak, C. Li. A Dashboard for Mitigating the COVID-19 Misinfodemic. *16th Conference of the European Chapter of the Association for Computational Linguistics (EACL)*. Kyiv, Ukraine (Online). April 2021.
 - 3 F. Arslan, J. Caraballo, D. Jimenez, C. Li. Modeling Factual Claims with Semantic Frames. *In Proceedings of the Twelfth International Conference on Language Resources and Evaluation (LREC)*. Marseille, France. May 2020.
 - 4 S. Majithia, F. Arslan, S. Lubal, D. Jimenez, P. Arora, J. Caraballo, C. Li. ClaimPortal: Integrated Monitoring, Searching, Checking, and Analytics of Factual Claims on Twitter. *Association for Computational Linguistics (ACL)*. Florence, Italy. July 2019.
 - 5 F. Arslan, D. Jimenez, J. Caraballo, G. Zhang, C. Li. Modeling Factual Claims by Frames. *In Proceedings of the 2019 Computation+Journalism Symposium*. Miami, Florida. February 2019.
 - 6 D. Jimenez, C. Li. An Empirical Study on Identifying Sentences with Salient Factual Statements. *IJCNN (IEEE WCCI)*. Rio de Janeiro, Brazil. July 2018.
 - 7 G. Zhang, D. Jimenez, C. Li. Maverick: Discovering Exceptional Facts from Knowledge Graphs. *Proceedings of the 2018 ACM SIGMOD International Conference on Management of Data (SIGMOD)*. Houston, Texas, June 2018.
 - 8 D. Jimenez. Towards Building an Automated Fact-checking System. *SIGMOD SRC '17: Proceedings of the 2017 ACM International Conference on Management of Data*. Chicago, IL, USA. May 2017.
 - 9 N. Hassan, G. Zhang, F. Arslan, J. Caraballo, D. Jimenez, S. Gawsane, S. Hasan, M. Joseph, A. Kulkarni, A. K. Nayak, V. Sable, C. Li, M. Tremayne. ClaimBuster: The First-ever End-to-end Fact-checking System. *Proceedings of the VLDB*. Munich, Bavaria, Germany. August 2017.
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