

Education

University of Colorado Boulder

PhD Student, Information Science, 2019 - 2024

Researching under the supervision of Professor Casey Fiesler and Professor Robin Burke, with a particular focus on fairness, transparency, and explanations in recommendation and other machine learning applications, systems of power and oppression enacted in AI, and incorporating ethics into the Computer Science classroom.

California Polytechnic State University

Bachelor of Science, Software Engineering, December 2018

Professional Experience

- **Co-Founder and Co-Host**, The Radical AI Podcast 2020 - Present
- **Data Science Intern**, Datapico Colombia Summer 2019
- **Software Engineering Intern (backend)**, GoDaddy Summer 2018
- **Software Engineering Intern (frontend)**, GoDaddy Summer 2017

Research Experience

- **Research Assistant on Explainable AI**, CU Boulder Jan 2021 – June 2021
- **Researcher**, [The Internet Rules Lab](#), CU Boulder Aug 2019 - Present
- **Researcher**, [That Recommender Systems Lab](#), CU Boulder Aug 2019 - Present
- **Machine Learning Ethics Researcher**, Cal Poly SLO Jan 2018 - Aug 2019
- **Research Assistant for the Ethics + Emerging Sciences Group**, Cal Poly Philosophy Department Oct 2018 – Mar 2019

Teaching Experience

- **(TA) INFO 1111: Introduction to Information Science:** Understanding the World Through Data Fall 2020
- **(GTPI) INFO 1201: Computational Reasoning 1: Expression and Media Transformation** Summer 2020
- **(TA) INFO 2201: Computational Reasoning 2: Representations of Data** Spring 2020
- **(TA) INFO 1201: Computational Reasoning 1: Expression and** Fall 2019

Media Transformation

Academic / Service Positions

- **Graduate Student Association (GSA) President**, Information Science Department at CU Boulder August 2020 – Present
- **Academic Chair**, RecSys 2020 Challenge Sep 2019 – Sep 2020
- **Student Volunteer**, FAccT (FAT*) 2020 Jan 2020 – Feb 2020
- **Student Volunteer**, RecSys 2019 Aug 2019 – Sep 2019

Peer-Reviewed Publications and Accepted Content

Dylan Doyle-Burke and **Jessie J. Smith**. “What is Radical AI? Towards a Common Definition and our Collective Liberation.” Nov. 2020. *Accepted into the Resistance AI Workshop at the Proceedings of NeurIPS 2020*.

Smith, Jessie, et al. “Exploring User Opinions of Fairness in Recommender Systems.” ArXiv:2003.06461 [Cs], Mar. 2020. arXiv.org, <http://arxiv.org/abs/2003.06461> *Fair and Responsible AI Workshop at CHI 2020*.

Mansoury, M., Abdollahpouri H., **Smith J.**, Dehpanah A., Pechenizkiy M., Mobasher, B. “Investigating Potential Factors Associated with Gender Discrimination in Collaborative Recommender Systems.” *Proceedings of the Thirty-Third International Florida Artificial Intelligence Research Society Conference*. ArXiv:2002.07786 [Cs], Feb. 2020. arXiv.org, <http://arxiv.org/abs/2002.07786>.

Pinter, A. T., Paul, J. M., **Smith, J.**, & Brubaker, J. R. (2020). P4KxSpotify: A Dataset of Pitchfork Music Reviews and Spotify Musical Features. *Proceedings of the International AAAI Conference on Web and Social Media, 14(1)*, 895-902. Retrieved from <https://www.aaai.org/ojs/index.php/ICWSM/article/view/7355>

Vito Walter Anelli, Amra Delić, Gabriele Sottocornola, **Jessie Smith**, Nazareno Andrade, Luca Belli, Michael Bronstein, Akshay Gupta, Sofia Ira Ktena, Alexandre Lung-Yut-Fong, Frank Portman, Alykhan Tejani, Yuanpu Xie, Xiao Zhu, and Wenzhe Shi. 2020. RecSys 2020 Challenge Workshop: Engagement Prediction on Twitter’s Home Timeline. *In Fourteenth ACM Conference on Recommender Systems (RecSys '20)*. Association for Computing Machinery, New York, NY, USA, 623–627. <https://doi.org/10.1145/3383313.3411532>

Casey Fiesler, Mikhaila Friske, Natalie Garrett, Felix Muzny, **Jessie J. Smith**, Jason Zietz “Integrating Ethics into Introductory Programming Classes”. *Accepted in the Proceedings of SIGCSE 2021, Virtual Conference*.

Luca Belli, Sofia Ira Ktena, Alykhan Tjani, Alexandre Lun-Yut-Fon, Frank Portman, Xiao Zhu, Yuanpu Xie, Akshay Gupta, Michael Bronstein, Amra Delic, Gabriele Scottocornola, Walter Anelli Nazareno Andrade, **Jessie Smith**, Wenzhe Shi “Privacy-Preserving Recommender Systems

Challenge on Twitter’s Home Timeline”. arXiv:2004.13715 [Cs], April. 2020. arXiv.org, <https://arxiv.org/abs/2004.13715>

Submitted Papers Under Review

Jessie J. Smith and Nassim Sonboli, Florencia Cabral, Casey Fiesler, Robin Burke “Fair For Whom? User Expectations for Fairness Aware Recommendations”. *Submitted to the Proceedings of FAccT 2021, Virtual Conference.*

Public Scholarship on Technology Ethics

Jessie J. Smith and Dylan Doyle-Burke (April 2020 – Present). “The Radical AI Podcast.” radicalai.org, co-founders and co-hosts, *iTunes, Spotify, Google Play, iHeartRadio.*

Jessie J. Smith (September 2018 – Present). Medium. <https://medium.com/@jessiejsmith01>. *Publications in Towards Data Science, The Startup, HackerNoon, and others.*

Jessie J. Smith and Shamika Goddard (December 2019 – Present). SciFi in Real Life. YouTube. https://www.youtube.com/channel/UCwKt0KzYmRV_sZDysJsOVKg.

Honors and Awards

- **Finalist for Tech Ethics Competition**, Wolf Law School Feb 2020
- **SIGAI Activities Fund Research Grant**, Awarded by ACM Oct 2020

Other

Research expertise: qualitative methods, thematic analysis, grounded theory, interviews, survey design, participatory design, quantitative methods, statistical inference, research ethics, machine learning algorithmic design

Programming expertise: Python, Java, JavaScript, C, R, HTML/CSS

Skills: Public speaking, podcasting, interviewing, coding (AI and Machine Learning), writing, researching, public scholarship, teaching

Languages: English (Fluent), Spanish (Working Proficiency)