

# Kevin Bryson

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## EDUCATION

### University of Chicago, Chicago, Illinois, USA

- Ph.D. Student in Computer Science 2021 – Present
  - Advisor: Blase Ur
  - Focus: Fair and equitable ML, Designing interpretable interfaces for ML practitioners

### Morehouse College, Atlanta, Georgia, USA

- B.S. in Computer Science, minor in Mathematics 2017 – 2021
  - Graduated Summa Cum Laude
  - Cumulative GPA: 3.86 / 4.00

## PUBLICATIONS

4. Weijia He, Kevin Bryson, Ricardo Calderon, Vijay Prakash, Nick Feamster, Danny Yuxing Huang, Blase Ur. Can Allowlists Capture the Variability of Home IoT Device Network Behavior? In submission.
3. Galen Harrison, Ahmad Emmanuel Balla Bamba, Kevin Bryson, Luca Dovichi, Aleksander Herrman Binion, Arthur Borém, and Blase Ur. JupyterLab in Retrograde: Contextual Notifications that Highlight Fairness and Bias Issues for Data Scientists. In submission.
2. Kevin Bryson. Designing Interfaces to Elicit Data Issues for Data Workers. In Proceedings of the 2023 AAAI/ACM Conference on AI, Ethics, and Society (AIES 2023). <https://doi.org/10.1145/3600211.3604756>
1. Jamar L. Sullivan Jr., Will Brackenbury, Andrew McNutt, Kevin Bryson, Kwam Byll, Yuxin Chen, Michael L. Littman, Chenhao Tan, Blase Ur, “Explaining Why: How Instructions and User Interfaces Impact Annotator Rationales”. NAACL 2022. <https://aclanthology.org/2022.naacl-main.38/>

## AWARDS & SCHOLARSHIPS

- NSF Graduate Research Fellowship, National Science Foundation 2023
- Grants for Black CS Students, Symposium on Usable Privacy and Security (SOUPS) 2022
- Crerar Fellowship, University of Chicago 2021 – 2022
- Stamps Scholarship, Morehouse College 2017 – 2021
  - Full Scholarship including travel and research grant

## TEACHING MENTORING & SERVICE

### Conference & Workshop Review

- PC Member for Workshop on Technology and Consumer Protection (ConPro) 2024 2024
- Ethics Review for NeurIPS 2023: Datasets and Benchmarks Track 2023

### Data Science and Critical Mathematics: Data Storytelling and Justice, Morehouse College

- Instructor and Curriculum Developer 2022
  - Taught and developed curriculum to introduce high school students to methods of applying justice, fairness and a humanistic lens to data science and technical systems

### University of Chicago

- Undergrad TA 2022, 2023
  - Engineering for Ethics, Privacy, and Fairness in Computer Systems
  - Surveillance Aesthetics: Provocations About Privacy and Security in the Digital Age
- TA and Curriculum Developer for underrepresented high school students 2021, 2022
  - Artificial Intelligence: The Good, The Bad, The Biased, and the Privacy Invasive
- Student Support Application Program Volunteer 2022
  - EDI program for providing feedback to students from underrepresented or marginalized backgrounds on their admissions application.

### Black Venture Capital Consortium

- Instructor and Curriculum Developer for HBCU students (UX and UI Design) 2020 – 2021
  - Developed and planned curriculum, taught weekly courses, assisted and mentored students making Figma designs with a startup team for a pitch competition

### Codehouse, Morehouse College

- Mentorship Chair 2019 – 2021
  - Introduced a long-term mentorship program with younger students for personal and professional development

<b>OTHER WORK EXPERIENCE</b>	<b>Physical Sciences Division</b> - UChicago, Chicago, Illinois, USA	
	<ul style="list-style-type: none"> <li>▪ Journalist Intern</li> <li>• Interviewed and wrote about researchers and their work within UChicago's PSD</li> </ul>	2022 – 2023
	<b>Lyte</b> , San Francisco, California, USA	
	<ul style="list-style-type: none"> <li>▪ Data Scientist Intern</li> <li>• Developed a machine learning pipeline for customer segmentation</li> </ul>	2021
<b>ASSORTED WORK</b>	<b>Georgia Tech Research Institute (GTRI)</b> , Atlanta, Georgia, USA	
	<ul style="list-style-type: none"> <li>▪ Research Intern</li> <li>• Trained machine learning models for rocket motor analysis (anomaly detection, shock detection and sensor reconstruction)</li> </ul>	2021
	Masking Discourse - Surveillance Aesthetics: Provocations About Privacy and Security , UChicago and Museum of Science and Industry	
	<ul style="list-style-type: none"> <li>▪ In collaboration with students from the School of the Art Institute of Chicago, we created a physical mask that demonstrates the ease with which NLP technology could control your speech.</li> </ul>	2021
<b>INTERESTS</b>	Film photography, biking and baking.	
<b>SKILLS</b>	Python, TypeScript, PyTorch, Keras/TensorFlow, Figma, Adobe Lightroom.	
<b>LANGUAGES</b>	▪ English: Native language.	
	▪ Spanish: Intermediate (speaking, reading, writing).	
	▪ Japanese: basic (reading, speaking, writing).	
<b>REFERENCES</b>	<i>Available on request.</i>	