

Guthrie McAfee Armstrong

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EDUCATION

University of Georgia
Bachelor of Science in Computer Science

Athens, GA
August 2022

PUBLICATIONS

- “Boots and Bail on the Ground: Assessing the Implementation of Misdemeanor Bail Reforms in Georgia.” *Georgia Law Review*, vol. 54, no. 4, 2020 (with A. Woods, S. G. Mayson, L. Sudeall, and A. Potts).

PRESENTATIONS

- “ ℓ -Diversity of Felony Charges in k -Anonymous Jail Data.” UGA CURO Symposium, August 2020 (advised by S. Shannon).
- “Georgia Jail Data: Significance and Inaccessibility of Government Records.” Historical Profiles of American Incarceration, October 2019 (with A. Potts).

EXPERIENCE

New York Public Radio
Platform Engineer

Remote
October 2022 to present

UGA Rural Jails Research Hub
Team Member

Remote
April 2020 to May 2021

- Developed web scrapers for 43 county jail websites *Git, Python, Selenium*
- Built automated, cloud data pipeline *Google Cloud Platform, Docker*
- Used object–relational mapping to standardize datasets *PostgreSQL, Hibernate, Java*
- Extracted and cleaned non-tabular records from PDFs *R, regex, Dataprep*

Willson Center Digital Humanities Lab
Undergraduate Research Assistant

University of Georgia
Spring 2020

- Matched IPUMS microdata to unnamed US censuses of enslaved people *R, Python*
- Extracted historical Italian prison records from scanned images *Tesseract, spaCy*
- Co-led extracurricular \LaTeX tutorials *TeX, Pandoc*

PROJECTS

- Ephemeral development server provisioning using *Terraform* on *GCP* remote-dev
- Python library for the Datamuse API python-datamuse
- *UGAHacks 2019*: Pictographic pun generator in a *Flask* app rebus
- *UGAHacks 2018*: Writing assistant for poetry and prose in a *Vim* plugin vim-muse
- Contributions to the Freedom of the Press Foundation’s Dangerzone project