

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).

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (SAA-C03). Expires March 2027

EXPERIENCE

New York Public Radio Remote
Platform Engineer October 2022 to February 2025

- IaC, CI, and CD *GitHub Actions, Terraform Cloud*
- IAM and secrets management *IAM Identity Center, SAML, OAuth*
- Monitoring, observability, and alerting *CloudWatch, New Relic, PagerDuty*
- Data engineering *Python, PostgreSQL, Amazon Redshift*
- Containerization and server orchestration *Docker, ECS, EC2, Lambda*

UGA Rural Jails Research Hub Remote
Team Member 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 University of Georgia
Undergraduate Research Assistant 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

- Puzzle solver for the NYT’s “Letter Boxed” game, written in Kotlin letter-boxed
- 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