

Ananda Montoly

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EDUCATION:

Smith College *Northampton, MA* BA in Computer Science and Statistics. 3.74 GPA *Expected May, 2022*

PROFESSIONAL EXPERIENCE:

Audible/Amazon *Newark, NJ Software Development Engineer Intern June 2021 - August 2021*

- Developed internal site for collating dataset information using React, AWS Lambda, S3, and DynamoDB for Customer Relationship Management in AudibleAI
- Onloaded data collection event on Audible with Java, AWS SQS, Lambda, and Kinesis
- Designed second internal site frontend for data resilience checklist in React

Boise State University *Boise, ID Research Assistant May 2021 - August 2021*

- Collated research and wrote introduction for paper on fairness in exposure metrics of recommendation systems at Recsys 2020. Worked under Dr. Michael D. Ekstrand.

Smith College *Northampton, MA Research Assistant January 2019 - Present*

- Built network data visualization tool with Flask, Google Cloud Platform, JavaScript, and Python
- Mentored other students in lab and developed Python utility scripts
- Collaborated on and presented a poster at TREC 2019 and paper at RecSys 2020.
- Analyzed newspaper article data in order to determine entity salience using machine learning techniques through python. Extensive use of NumPy, SciPy, and Spacy.
- Member of the Human Computer Interaction laboratory and the Information Retrieval laboratory.

Teaching Assistant (Computer Science) August 2020-Present

- Wrote, filmed, and edited online tutorials for students in Introduction to Computer Science.
- Works with students one-on-one or in groups to solve programming assignments for Introduction to Computer Science, Visual Analytics, Introduction to Data Structures, and Computer Graphics.

LEADERSHIP:

Current President of Smithies in CS and Former Events Chair *Northampton, MA SCS*

- Lead organizing HackSmith 2021 hackathon with 140 signups and several corporate sponsors.
- Created React site, reached out to sponsors, managed Discord, and organized judging.

Computer Science Department Student Liaison *Northampton, MA Computer Science Department*

- Liaised between student body and faculty in order to represent student needs
- Organized 7 identity events with alumni for student benefit as part of team
- Taught 5 week, 10 class series on foundational mathematical logic and computer skills for 30 incoming Data Structures students with support of Computer Science department and Google

Artists and Vendors liaison and Webmaster *Northampton, MA Conbust*

- Reached out to independent artists and vendors so they can participate in Conbust and handled contractual obligations. Designed website. Handled refunds after pandemic convention cancellation.

SKILLS:

Languages: Spanish (conversational)

Programming Languages: Python, Java, R, Javascript/React, HTML/CSS, SQL, AWS.

Technical: Microsoft Office Suite, Photoshop (basic), Krita, OpenOffice Suite.

PUBLICATIONS:

- “The Role of Latency and Task Complexity in Predicting Visual Search Behavior”, IEEE 2019 Leilani Battle, R. Jordan Crouser, Audace Nakeshimana, **Ananda Montoly**, Remco Chang, and Michael Stonebraker

3 more publications listed at anandamontoly.github.io