

Sam Smith

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EDUCATION

- **North Carolina State University** Raleigh, NC
MS, Computer Science Aug 2022 - May 2024 (Expected)
- **Clemson University** Clemson, SC
BS, Mathematics | BS, Computer Science; GPA: 3.95 Aug 2018 - May 2022

WORK EXPERIENCE

- **Giant Oak** Clemson, SC
Named Entity Recognition Team Lead Jan 2022 - May 2022
 - Guided the team's research decisions, development plans, and members' responsibilities in an agile environment
 - Developed model which extracts entities from open web data for more efficient data indexing and querying
 - Tested methods such as text quality filtering, neural machine translation, data augmentation, and personalized pretraining
- **NASA Goddard Space Flight Center** Remote
Data Science Intern Jun 2021 - Aug 2021
 - Implemented natural language processing models to automatically classify and answer help desk tickets
 - Cleaned and extracted features from textual data to prepare them for model integration
 - Communicated technical results to non-technical stakeholders

RESEARCH EXPERIENCE

- **Clemson University** Clemson, SC
Undergraduate Researcher Aug 2021 - Dec 2021
 - Developed software which created natural forest point clouds, segmented the individual trees, and generated visualizations of the results
- **Monero Research Lab** Remote
Research Intern Aug 2020 - May 2021
 - Implemented a graph-based cryptocurrency model in order to evaluate anonymity of Monero's transactions
 - Maintained software by writing and running unit tests
- **Michigan State University** Remote
NSF Undergraduate Researcher May 2020 - July 2020
 - Worked with a team of undergraduates to implement a variation of convolutional neural networks
 - Applied our implementation to classify synthetic and real-world graph datasets
 - Improved code efficiency from previous literature

PRESENTATIONS

- **Automated Classification of GES DISC User Support Tickets (NASA)** Jul 2021
Earth Science Information Partners Summer Meeting
- **Graph Scattering Transform (MSU)**
 - Joint Mathematics Meetings Jan 2021
 - James Madison University Shenandoah Undergraduate Mathematics Conference Dec 2020
 - Gulf Coast Undergraduate Research Symposium Oct 2020
 - Mid-Michigan Symposium for Undergraduates Aug 2020
 - Summer Undergraduate Michigan Mathematics Research Conference Jul 2020

SKILLS

- **Languages:** Python, R, C++, Java, SQL
- **Tools:** Git, Unix, Jira, PyTorch, Pandas, Scikit-learn, NumPy, Matplotlib, Seaborn, OpenCV

HONORS AND AWARDS

- **Faculty Senior Award in Mathematics** | Clemson University Apr 2022
- **Joel Vincent Brawley Award in Mathematics** | Clemson University Apr 2021
- **Faculty Sophomore Award in Mathematics** | Clemson University Apr 2020
- **Faculty Freshman Award in Mathematics** | Clemson University Apr 2019