

FAYE HOLT

Atlanta, Ga • mholt9@gatech.edu • [LinkedIn](#) • [Website](#) • [GitHub](#)

EDUCATION

Georgia Institute of Technology, Honors Program
B.S. – M.S. in Computer Science, Minor in Linguistics
GPA: 3.83/4.0 (*Faculty Honors, Dean's List*)
Threads/Concentrations: Intelligence, Theory

Atlanta, GA
Expected Graduation, May 2024

SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, C#, C & Assembly
Frameworks/Toolkits: PyTorch, TensorFlow, Pandas, NumPy, spaCy, scikit-learn, D3, NLTK, Kaldi ASR, SpeechBrain
Operating Systems: Unix, Linux

EXPERIENCE

University of Rochester, Formal and Computational Semantics Lab, Rochester, NY *May 2022 – Present*
Research Internship with Dr. Aaron Steven White and Dr. Lelia Glass

- Analyzed largescale linguistic data using Pandas, NumPy, and spaCy for an NSF-funded research proposal
- Built training pipelines for three classification tasks using ordinal regression, mixed effects regression, and AllenNLP

Stanford University, Social and Language Technologies Lab, Palo Alto, CA *October 2020 - Present*
Research Assistant with Dr. Diyi Yang

- Conducted research in Natural Language Processing for Social Good focused on online communities and dialectology
- Utilized PyTorch and BERT to pre-train/fine-tune classifiers for robust analysis of language in online communities
- Collaborated with 10+ researchers to improve language model performance for dialects of English

Technische Hochschule Ingolstadt, Almotion Lab, Ingolstadt, Germany *May 2022 – August 2022*
Research Internship with Dr. Munir Georges

- Curated a Spoken Language Understanding (SLU) parallel dataset in German and English
- Developed an Automatic Speech Recognition pipeline using Kaldi ASR and the SpeechBrain Toolkit

Carrier Global, Analytics and Automation Department, Atlanta, GA *June 2021 – August 2021*
Software Engineer Intern

- Built a paraphrasing model with GoogleAI's T5 Transformer to automate internal and external chat-bot development
- Consulted with the legal department and automated their denied party screening service to save 19,200 hours per year
- Gained experience in all project phases by following Waterfall and Agile Methodologies

PUBLICATIONS

Modeling Motivational Interviewing Strategies on Online Peer-to-Peer Counseling Platforms

Raj Sanjay Shah*, **Faye Holt***, Shirley Anugrah Hayati, Aastha Agrawal, Yi-Chia Wang, Robert Kraut, Diyi Yang
CSCW, 2022

PROJECTS

Language & Computers, 2nd Edition *January 2022 – May 2022*

- Collaborated with four professors to serve as a student copy editor for the new edition of a linguistics textbook

Got Bias?

October 2020

- Developed an algorithm to detect bias in news articles and won 3rd place for the HackGT NewsQ sponsorship

ACTIVITIES & AWARDS

- Girls Who Code Facilitator
- *North Avenue Review Magazine*, Editor-in-Chief
- *Reboot* Student Writing Fellowship
- Google Computer Science Research Mentorship
- DAAD RISE Germany Scholarship
- Gulfstream Fred and Susan Breidenbach Scholarship
- Zell Miller Scholarship
- Philip Adler, Jr. Dean's Scholarship