

# FAYE HOLT

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## 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, 2<sup>nd</sup> 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 3<sup>rd</sup> 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
- Philip Adler, Jr. Dean's Scholarship
- Zell Miller Scholarship