

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

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, Ruby, 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 Intern for Dr. Aaron Steven White and Dr. Lelia Glass

- Analyzed large-scale 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 for 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 online language
- 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 Intern for Dr. Munir Georges

- Curated a Spoken Language Understanding parallel dataset for noisy environments in German and English
- Developed an Automatic Speech Recognition pipeline with Kaldi (C++) and SpeechBrain (Python, PyTorch)

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

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

PUBLICATIONS & PROJECTS

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

Analyzing the Works of Emerson, *Python, JavaScript, D3, spaCy* *January 2021 – May 2021*

- Created a Python framework to extract entities from Emerson writings using spaCy and the Wikidata knowledge base
- Built an interactive, dynamic knowledge graph in D3 to analyze the connections between entities

Got Bias?, *Python, NLTK, Git* *October 2020*

- Developed a sentiment analysis model using supervised machine learning and the NLTK to detect bias in articles
- Showcased algorithm on a website that ranks 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