

Wila Braga (They/Them)

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EDUCATION

Georgia Institute of Technology

December, 2021

MS, Computer Science

Atlanta, GA

- GPA: 3.8
- TA for Natural Language Processing
- Coursework in Machine Learning, NLP, Computer Vision, Simulation of Biology, Data Visualization

Georgia Institute of Technology

December, 2020

BS, Computer Science

Atlanta, GA

- GPA: 3.9, Highest Honors

WORK EXPERIENCE

Centuria, Inc.

November, 2022 – Present

Application Programmer

Remote

- Contactor for the National Data Buoy Center, working on various front and back-end weather data systems
- Coordinated with partner to ingest and clean their realtime data via S3 bucket and Python, adding hundreds of new datapoints per hour to NDBC website
- Converted two MATLAB projects into Java for AWS cloud migration, saving thousands of dollars on license fees
- Peer-reviewed major website redesign, finding and correcting dozens of PHP and JS bugs that caused crashes
- Wrote document to assist developers in sanitizing user input, mitigating risk of security vulnerabilities

College of Computing, Georgia Tech

May, 2022 - August, 2022

Study Abroad Program and Teaching Assistant

Barcelona, Spain

CHAI Lab, Georgia Tech Research Institute

August, 2021 - December, 2021

Graduate Research Assistant

Remote

- GRA for CHAI, a GTRI lab contracted by the CDC to conduct natural language processing on healthcare matters
- Datamined and parsed hundreds of companies' return-to-work policies using BeautifulSoup and spaCy in Python, allowing for trend projections
- Tracked Covid infections through thousands of doctors' notes with regex, aiding the CDC's health response

Assurant, Inc

May, 2021 - August, 2021

Data Science Intern

Remote

- Lead a research initiative to reduce machine learning decision times using PySpark on Databricks, achieving a speed optimization of over 50% across hundreds of thousands of insurance claims
- Presented methodology and results to technical and non-technical VPs, receiving favorable comments
- Documented IBM Fairness 360's efficacy in reducing model bias, motivating a future bias-reduction project

PROJECTS

Culinary Recipe Generation: Compared quality of recipes generated with GPT-2 and custom Keras RNNs

Video Stabilizer: Smoothed video motion by implementing Linear Program optimization from research paper

Artwork Cluster Visualization: Visualized K-Means clustered data from Cleveland Museum of Art's API

SKILLS

Programming: Python (Gensim, PyTorch, PySpark, SciKit, TensorFlow, NLTK), Java, SQL, C, Javascript, Bash, MATLAB, R

Technologies: ML, NLP, RestAPI, Databricks, Git, Docker, Spark, Jupyter, Tableau, CV, AWS S3, MySQL, MongoDB

World Languages: English (Native), Portuguese (Native, spoken only), Spanish (Advanced)

Hobbies/Leadership: Reading (SciFi, History), Cooking, 3D Printing, Support Group Facilitator, Volunteer Webmaster