

Wila Braga (They/Them)

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EDUCATION

Georgia Tech

MS - Computer Science

- TA for Natural Language Processing

December, 2021

Atlanta, GA

Georgia Tech

BS - Computer Science

- Concentration in Information Systems and AI
- Highest Honors

December, 2020

Atlanta, GA

WORK EXPERIENCE

National Data Buoy Center - NOAA

Application Programmer

- Contracted by the NDBC, an agency of the National Weather Service, to process data from ocean buoys
- Peer reviewed the upcoming web redesign sites, fixing dozens of PHP, JS, and HTML bugs
- Updated their legacy realtime software in C to handle eight new weather measurements

November 2022 – Present

Stennis Space Center, MS

College of Computing - Georgia Tech

Study Abroad Program and Teaching Assistant

- Returned to the Barcelona study abroad program after graduating to assist as a TA and RA
- Graded exams and tutored students as an experienced TA of the Discrete Mathematics course
- Designed the Intro Database final project from a personal design of a virtual recipe book/grocery list

May 2022 - August 2022

Barcelona, Spain

CHAI Lab - Georgia Tech Research Institute

Graduate Research Assistant

- Contracted by the CDC to aid the Covid-19 response through NLP research on healthcare data
- Webscraped and parsed news articles with spaCy to find hundreds of companies' return-to-work policies
 - Used part-of-speech tagging and entity recognition to identify the companies named in the articles
- Processed thousands of doctors' notes in Python using Regex to identify possible Covid symptoms

August 2021 - December 2021

Atlanta, GA

Assurant

Data Science Intern

- Queued distributed data with SQL from hundreds of thousands of insurance claims through PySpark
- Researched ways to reduce their SLA claim decision time by comparing different ML techniques
 - Preprocessed data in Databricks with word embeddings and PCA to reduce dimensionality
 - Cached model results based on feature importance found using decision trees

May 2021 - August 2021

Atlanta, GA

PROJECTS

- Clustered artwork from the Cleveland Museum of Art using Pandas and SkLearn's PCA and K-Means
- Generated and compared culinary recipes made with GPT-2 and Tensorflow Char and Word-RNNs
- Created a video stabilizer using OpenCV to find homography transformations and cvxpy to solve an LP

SKILLS

Programming: Python (Numpy, Pandas, PyTorch, PySpark, SkLearn, OpenCV, Scikit), Java, SQL, C, Javascript, PHP

Technical: NLP, CV, Linux, Processing, Databricks, MySQL, Android, Arduino, GIT, Data Mining, MongoDB, Node.js

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

Licenses/Clearances: Active FL Real Estate Sales Associate, Active Public Trust Clearance

Hobbies: Cooking, Brewing, Reading (Sci-Fi, Classics), Gardening, Photography