

Wila Braga (They/Them)

wmbraga7@gmail.com • (229) 712-1599 • www.wilabraga.com • <https://github.com/bragalotwill>

EDUCATION

Georgia Tech

MS - Computer Science

- Concentration in Computer Graphics
- TA for Natural Language Processing

December, 2021

Atlanta, GA

Georgia Tech

BS - Computer Science

- Concentration in Information Systems and AI
- Highest Honors
- Barcelona Study Abroad

December, 2020

Atlanta, GA

WORK EXPERIENCE

National Data Buoy Center - NOAA

Programmer Analyst

- 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
- Applied and received a Public Trust security clearance

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 project from a personal design of a virtual recipe book/grocery list

May 2022 - July 2022

Barcelona, Spain

CHAI Lab - Georgia Tech Research Institute

Graduate Research Assistant

- Contracted by the CDC to process thousands of doctors' notes with NLP to aid the Covid-19 response
- Webscraped and parsed news articles with spaCy to find hundreds of companies' return-to-work policies

August 2021 - December 2021

Atlanta, GA

Assurant

Data Science Intern

- Analyzed hundreds of thousands of insurance claims using distributed computing via PySpark
- Researched use of PCA, word embeddings, and decision trees on real data to improve decision times

May 2021 - August 2021

Atlanta, GA

PROJECTS

- Reimagined Conway's Game of Life into a shape grammar using Dr. Economou's Shape Machine
- Generated and compared artificial culinary recipes with GPT-2 and Tensorflow Char and Word-RNNs
- Procedurally translated Atari's Dig Dug Assembly source code with Python to work on modern emulators

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