# Sonny George

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## EDUCATION

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|---|---|
| **Brandeis University** | Waltham, MA |
| *Master of Science, Computational Linguistics* | *Expected May 2025* |

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| **Brigham Young University** | Provo, UT |
| *Bachelor of Science, Statistics: Data Science, Minor in Business Management* | *May 2023* |

## PUBLICATIONS

**Sonny George**, Chris Sypherd, and Dylan Cashman. 2024. **Probing the Capacity of Language Model Agents to Operationalize Disparate Experiential Context Despite Distraction**. In *Findings of the Association for Computational Linguistics: EMNLP 2024*, pages 15447–15459, Miami, Florida, USA. Association for Computational Linguistics.

- Conceived and composed a novel corpus of reasoning tests for language agents
- Hired and managed a team of freelance annotators to validate the corpus
- Ran and reported the results of over 15,000 tests with SOTA LLMs

## EXPERIENCE

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| **Computer Science Department – Brandeis University** | Boston, MA |
| *Senior-Level Student Developer* | *Sep 2023 – Current* |

- Assumed sole management of an in-production full-stack web app (Flask, Jinja2, JavaScript, PostgreSQL)
- Advised junior-level developers in NLP research projects (topic modeling, semantic analysis, etc.)

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| **BeatBread** | St. George, UT |
| *Data Scientist & Data Engineer* | *May 2022 – April 2023* |

- Deployed machine learning models using Python, FastAPI, and AWS microservices (ECS, Load Balancer)
- Engineered and deployed Airflow pipelines on AWS ECS to perform ETL tasks for business-critical data
- Built Tableau dashboards for managerial use on top of these pipelines

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| **Digital Humanities Department – Brigham Young University** | Provo, UT |
| *Technical Research Assistant* | *Dec 2021 – May 2022* |

- Scraped and organized historical congress proceedings into a MySQL database
- Applied various NLP methods to extract insights

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| **Comfort Systems USA, Inc. (NYSE:FIX)** | Houston, TX |
| *Data Consulting Intern* | *Jun 2021 – Aug 2021* |

- Consulted on data management processes for integrating third-party vendor data into BI workflows

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| **Turbine Air Systems, Inc.** | Houston, TX |
| *Data Processes Intern* | *May 2020 – Sep 2020* |

- Worked with accounting and engineering to streamline data management processes
- Automated various workflows with Excel VBA, saving tens of hours per week in manual processing tasks

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| **Environmental Air Systems, Inc.** | Houston, TX |
| *Project Management Intern* | *Jun 2019 – Aug 2019* |

- Trained and worked as an intern in project management for Google data center module construction

## SKILLS

I have significant experience and am comfortable writing *production-quality code* using:
Python, Pytorch, FastAPI, SQLAlchemy, Scikit-learn, Pandas, & many other data science libraries

I have familiarity with and am comfortable making contributions using:
Docker, AWS, Javascript, HTML/CSS, C++, Airflow, CI/CD technologies, ROS, Rospy, RPi/Arduino

## LANGUAGES

**Portuguese**: business proficiency
**Spanish**: conversational proficiency
**French**: conversational proficiency

## OTHER

Spent two years in Brazil participating in a number of volunteer-work projects before undergrad
Eagle Scout, Boy Scouts of America