

# Jason Brazeal

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## Experience

### Infinitus

#### Software Engineer - Machine Learning Infinitus

📅 Feb 2024 – May 2024  
📍 San Francisco, California

- maintained intent classifiers for payer IVR call automation (Python/Flask/Firebase/BigQuery)



#### Staff AI Engineer Mya Systems (acquired by Stepstone)

📅 Apr 2019 – Sep 2023  
📍 San Francisco, California

- supported and extended the conversation engine at the core of Mya's AI recruiting solutions (Python/Celery/Flask/Redis/Sagemaker)
- trained, deployed, and maintained ML models for intent classification, entity recognition, and other NLP-related tasks (Python/Pandas/Numpy/Scikit-Learn/Tensorflow/Sagemaker)
- architected and developed new features such as robust foreign language support, language switching, and job searches in conversations (Google Translate/Elasticsearch/Sagemaker)
- studied the latest LLM research and implemented ideas from papers in code experiments on RAG, prompt engineering, AI agents, etc. (OpenAI/LangChain/Chroma)

### PRIMER

#### Senior Backend Engineer Primer AI

📅 Jul 2018 – Jan 2019  
📍 San Francisco, California

- deployed and maintained data ingestion pipelines to enable large-scale machine learning analyses of natural language data (Python/Docker/Kubernetes/AWS)
- designed and coded REST APIs and other infrastructure backing web-based interfaces to artificial intelligence software (Python/Flask/React)

### MEDAL

#### Principal Software Engineer Medal

📅 Jul 2017 – Jul 2018  
📍 San Francisco, California

- contributed to data engineering efforts to ingest medical data (structured and unstructured) from a wide variety of sources and preprocess them for model training (Python/AWS)
- designed and created Search & Summary web application, in which preprocessed medical records and clinical data could be examined and summarized using machine learning (Python/Django/Javascript/AWS/OAuth2)

## Software Engineer Verodin

📅 Dec 2015 – Jun 2017

📍 remote

- Front and back end development for a security instrumentation platform written in Python, Ruby/Rails, and Javascript

## Python Developer

Tyco

Technology & Innovation

📅 Sep 2014 – Dec 2015

📍 Boca Raton, FL

- Web and embedded application development in Python for an IoT product

## Software Developer / Analyst

The University of Texas at Austin

Registrar | Identity & Access Management

📅 Feb 2012 – May 2014

📍 Austin, TX

- Python/Django and IBM z/OS mainframe development supporting critical university services such as IAM, course scheduling, and student registration

## Phonetics Research Internship

Laboratoire de Sciences

Cognitives et Psycholinguistique

📅 May 2010 – Aug 2010

📍 Paris, France

- Python scripting, audio stimulus preparation, measurement and analysis of speech data

## Spanish / French Instructor

The University of Texas at Austin

Department of Spanish & Portuguese

Department of French & Italian

📅 Aug 2002 – Feb 2012

📍 Austin, TX

- Undergraduate language instruction for first- and second-year Spanish and French students

## Education

Generative AI with LLMs

NLP Specialization

Machine Learning Specialization

DeepLearning.AI

Webmaster Certificate

Austin Community College

Software Developer Training Program

University of Texas at Austin, ITS

M. A. in Romance Linguistics

University of Texas at Austin

A. B. in Linguistics

University of Georgia

## Top Tools

 python

 FastAPI

 CSS

 HTML5

 Flask

 aws

 Google Cloud

 JS

 BASH

 git

 GenAI

 NumPy

 Hugging Face

 scikit learn

 pandas