

ASHWIN RAJ

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EDUCATION

University of Arizona

M.S. in Human Language Technology

Tucson, AZ

08/2023 – 05/2025

- Focus on computational linguistics for NLP-related tasks

B.S. in Statistics and Data Science, minor in Computer Science

08/2017 – 05/2021

- 4.0 cumulative GPA in the College of Science

WORK EXPERIENCE

Tech Launch Arizona

Market Research Associate

Tucson, AZ

01/2024 – 05/2025

- In charge of reviewing, editing, and performing market research for Commercialization Assessment Reports for University of Arizona affiliated innovations.
- Created and assessed NLP text classification models based on the invention description and background to categorize into technology sectors; created a related web app to assist in CAR writing and market research.

Raytheon Technologies

Software Engineer

El Segundo, CA

06/2021 – 01/2023

- Worked on various projects supporting the F/A-18 team, including building an automated user interface using Tkinter in Python to zip and organize program folders, and developing scripts to automate running report generation and simulation tools.
- Assisted in systems engineering tasks by delivering Cameo models to provide a top-level SysML view of software architecture, diagramming code flow and ensuring DOORS NextGen requirements were satisfied.

Tech Student Intern

06/2019 – 08/2020

- Acquired security clearance and fixed functionality of the CoBOLD tool, using Python to handle variant record types generated from binary data files and creating Excel reports of these record types.
- Worked in an Agile environment and gained experience with Git version control and code documentation.
- Assisted the Simulation of Airborne Radar (SOAR) team by using C++ and OpenGL to create an interactive world model for positioning information in the 3D LLA display

Washington University in St. Louis

St. Louis, MO

CSE 131 Teaching Assistant

08/2018 – 05/2019

- TA for a 600-person intro CS course, worked with 15+ groups of 4-5 students during studio sessions to foster discussion, along with grading homework assignments and answering student questions posted on Piazza

Astra, Inc.

Tucson, AZ

Administrative Assistant

05/2018 – 08/2018

- Validated expense reports using QuickBooks and communicated payments for Astra consultants.
- Used Microsoft Excel and SpringAhead to document maintenance and support hours for clients

PROJECT EXPERIENCE

Invention Classifier and Market Research Tool

09/2024

Study Helper HTML Tool

12/2023

Movie Review Classification

05/2024

Housing Price Predictive Modeling

12/2020

AWARDS & RECOGNITION

University of Arizona Data Visualization Challenge 3rd Place Award

05/2021

Washington University in St. Louis Dean's List

12/2017

SKILLS

Programming: Python, R, Shell, Java, C++

Tools: Git, NLTK, scikit-learn, Microsoft Office, Cameo