

ARJUN SANTHANAKRISHNAN



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OBJECTIVE

Computer Science student looking for software engineering experience. Interested in designing applications across domains like machine learning, AI, and robotics.



EDUCATION

B.S. Computer Science, Data Science, and Economics | UW - Madison

2022 – 2025

Relevant Coursework: CS 300 (Programming II), CS 400 (Programming III)

Machine Learning | Stanford Online

2022 – 2022

Andrew Ng course on Machine learning



WORK EXPERIENCE

Systems Administrator | UW Department of Medicine

MAY 2023 - PRESENT

System Administration of Linux servers running HTCondor at Pepperell Research Lab. Assist researchers with using computing resources and create and modify scripts to work with lab servers. Installation and modification of software from both Linux software repositories and from the source code

Undergraduate Researcher | Undergraduate Machine Learning Research

MAY 2023 - PRESENT

Researcher at Informatics Skunkworks. Currently applying generative machine learning models to train a Diffusion Variational Autoencoder that learns about the structures of crystal materials, how they are linked to properties of interest, and to predict new materials with those properties in a targeted range.

Software Engineering Intern | Flow

JAN 2023 – MARCH 2023

Member of Machine Learning and AI team utilizing CI/CD DevOps strategies to design backend using Python, NumPy, Pandas, Flask, Scikit-Learn, etc., These libraries were used to optimize sales leads and increase the number of phone calls by 50% for sales associates.



SKILLS

Java, Python, Linux, TensorFlow, Keras, AI/ML libraries