

Maneesh Madala

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Education

University of Illinois at Urbana-Champaign

August 2017 - May 2021 (expected)

Bachelor of Science in Computer Engineering

Minor in Business

Relevant Coursework: Data Structures, Algorithms & Models of Computation, Analog Signal Processing, Artificial Intelligence, Digital Systems Laboratory

Work Experience

EarthSense

Champaign, Illinois

Field Tech & Robotics Intern

May 2019 - August 2019

- Automated validation of data collections to guarantee only useful collections were labeled and sent to train the Machine Learning models
- Wrote a python package to turn data collections into objects which provide various methods for extracting useful information for analytics and debugging robots
- Assisted in deploying machine learning models to analyze aspects of different types of crops such as corn, wheat, soybeans, almonds and more

Robot Assembler

March 2019 - May 2019

- Configured and tested motor controllers, routers, lidars, and other components for the TerraSentia robots
- Assembled TerraSentia robots and aided in testing and troubleshooting robots to check that all hardware worked correctly

UIUC Engineering IT

Champaign, Illinois

IT Consultant

August 2017 - March 2019

- Managed all av systems, workstations, and printers. Handled 10+ tickets a day involving issues with school technology. Had a 100% satisfaction rate on all tickets handled
- Collaborated with IT professionals to complete projects. An example is reimaging 30 laptops for a professor

Technical Projects

Web Scraping

July 2018 - August 2018

- Used BeautifulSoup to scrape NBA and NFL statistics for the past 30 years to show regressions and examine with python
- Analyzed NBA data and made regressions with Matplotlib. Did a survival analysis by position with NFL data

Leadership

Fintech@UIUC

Co-founder/ Director of Investor Relations / Project Manager

May 2018 - Present

- Cofounded club with others to gain experience with algorithmic trading and how data analytics can be applied in a financial setting
- Reaching out to potential sponsors to either get money to invest after a strategy is developed or for guidance in designing a strategy and algorithm
- In charge of developing a strategy to trade based of insider transactions and managing a team to do so

Engineering Open House

Judging and Awards

May 2019 - present

- Ensured all aspects of judging and the awards show for EOH go smoothly. Such as only choosing qualified judges, and also confirming all awards and categories are clear so they can objectively be judged

Historian

May 2018 - May 2019

- Compiled memorabilia and images of past EOH's and created a presentation to show visitors how EOH has grown as an event since its inception

Skills

Technical: Python, C/C++, Java, SQL, Ruby on Rails, CSS/HTML, Pytorch, Fast.ai, Tensorflow, Keras, Unix/Linux, Latex, agile/scrum