

Zachary Safir

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SKILLS

Java, R, Python, Django, HTML, Minitab, Tableau, SQL, Excel, Word, SAP, SAS, Intermediate level Japanese

RELEVANT COURSES

Web Programming, Business Intelligence & Analytics, Telling Stories with Data: Statistics, Modeling, and Visualization, Using Data Structures, Intro to Operations Management, Data Acquisition and Management

PROFESSIONAL EXPERIENCE

OPERATIONS ASSOCIATE

Fall 2020 – Present

Kohl's - Oceanside NY

- Help customers, developing strong customer service skills
- Working part time while pursuing my graduate degree

AI INTERN

Summer 2019

Macnica Inc. - Yokohama Japan

- Investigated and used brand new, state of the art AI software such as H2O Driverless AI and Acumos AI
- Worked with Kubernetes and Docker to deploy AI solutions
- Built a classification AI model in Python to get better insights into the trends occurring in image data

PROJECTS

Manufacturing Process at ABC Beverages

[View the Project](#)

- Analyzed the manufacturing process of a mock beverage company in order to understand and predict the PH of beverages
- Built several machine learning models including a Neural Network, Support Vector Machine, and Random Forest

Visualizing Global Warming

[View the App](#)

- Crafted an interactive dashboard app to analyze global warming
- Developed the app using plotly and dash, cleaned and organized the data using a hybrid of Python pandas and R tidyverse, launched the app using Heroku

Building a Data Pipeline for Data Science Skills

[View the Project](#)

- Collaborated on a team to collect web data on data science jobs using web scraping
- Combined both Python and R to learn different methods for using both approaches
- Launched a remote database using a Raspberry Pi, so all members could connect and share data from anywhere

LEADERSHIP AND COLLABORATION

Event Coordinator of UGRID, "Undergraduate Researchers Interested in Data"

- Coordinated weekly meetings, fundraisers, and technical workshops
- Led discussions on data analysis, teaching members how to do so through R and Excel

Data Fest - Spring 2017

- Participated in a competition of gaining insights from a massive and rich data set provided by Indeed.com
- Discovered information about Indeed's growth no other group managed to find using creative thinking
- Analyzed the data utilizing R and Tableau and then presented growth, user, and market trends uncovered in our analysis to a panel of judges and all participants

EDUCATION

Master of Science in Data Science GPA 4.0

Graduated May 2022

CUNY School of Professional Studies - New York

Bachelor of Science in Data Science; Minor in IT and Japanese GPA 3.1

Graduated May 2019

University of Massachusetts - Amherst