

Mohammadali Saffary

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Education:

Westminster College - Bachelor of Science

Expected graduation: May 2020

Major: Computer Science, Minor: Data Science

- Deans scholarship at Westminster

GPA: 3.8

Technical Skills: Python, Java, SQL, R, JavaScript, HTML, Agile/Scrum, Windows, Linux

Selected courses: Database Systems, Statistical Learning, Statistical Modeling, Machine Learning, Software Engineering, Algorithms and Data Structures, Artificial Intelligence, Computer Networks, Operating Systems

Projects:

- Senior Project: Spoken Language Identification windows app, using Deep Learning algorithms to recognize several languages. Tools: Python, Keras, Kivy
- Developed a fully functioning server-client chatroom application that ran on our class's custom made chatroom protocol using Java.
- Semester-long project developing an adventure game for second-grade students using GameMaker Studio2
- Developed a database and interface for real client to store and show data of the waste produced on the Westminster College campus using Java, swing package and SQLite

Research:

- Summer 2019 undergraduate research project with Professor Daniel Salinas Duran building an image recognition machine learning algorithm to count the number of pelicans in pictures from the Gunnison Island using Python, TensorFlow, Keras, and Jupyter Notebook

Work Experience:

Data Science Intern at Emperitas

(Jan 2020 –May 2020)

- Building data analysis infrastructures and databases for clients
- Explore APIs, seeking useful data to be analyzed
- Analyze the future business steps and potential for clients
- Researching on machine learning algorithms to produce book covers
- (used tools: python, html, jupyter notebook)

Westminster College Giovale Library Data Analysis Lead

(Jun 2017 – May 2020)

- Analyzing data gathered from resources available in the library
- Guiding the library staff on data interpretation
- Designing surveys and analyzing results
- (used tools: python, R, SQL)

Teaching Assistant

- TA and grader for calculus I (Aug 2017 – May 2018)
- Introduction to Statistics (Aug 2018 – Dec 2019)

Student Advisor to QUARC (Quantitative Analysis and Research Cooperative) (Aug 2018 – Dec 2019)

- Data cleaning and analysis
- Interpreted results from surveys

Community Involvement:

Assistant volunteer for Kearns Saint Ann after-school program for a full semester

Hobbies and Interests:

Avid learner, hands-on activities, piano, puzzles, gaming, and motorsport