Yukun Liu

Contact Information

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Summary

Yukun is currently a graduate student under Worcester Polytechnic Institute's Data Science program [Current GPA: 3.5]. He has completed an undergraduate degree at University of Massachusetts Lowell in mathematics. As an adaptive and result-driven learner, Yukun possesses a wealth of data science and data analysis related skills, including coding languages like R, Python and SQL. His mathematics degree grants him substantial mathematical knowledge as well as presentation, communication and collaboration skills. Currently, he is seeking full time positions or internships related to Data Science, Data Analysis or Data Engineering.

Relevant Skills

Data Science:
- Statistics and probability
- Linear Algebra
- Machine Learning and Business Applications
  - Classification
  - Association
  - Cluster
- Database management and programming
  - SQLite
  - Python (Numpy and Pandas)
- Data mining and information gathering
- Various data-related tools such as Microsoft Excel (pivot tables), Tableau and DataRobot.
- SDLC and Agile development for Data Science projects
- Report and presentation making; Oral or visual.

Mathematical Expertise in:
- Calculus
- Number Theory
- Discrete Structures
- Physics-based Mathematical Modeling
  - Heat Transfer
  - Kepler's Laws
  - Kinematics etc.

Computer Competency in:

- Other coding languages. Familiar with C, Matlab, HTML and CSS.

Prior Work Experience

Relevant University Projects
- Used R to find the most commonly associated words with the Invincible TV show on Twitter.
- Worked on a team to make a business report utilizing DataRobot and Microsoft slides and putting into practice SDLC underneath a specific time window.
- Created Python/Matlab projects.
  - Matlab: Graphing, modeling and equation solving
  - Python: Battleship game.

Russian School of Mathematics (Ongoing)
Worked with grades K-12 in providing tutoring services ranging from various mathematical branches. In addition, roles included updating spreadsheets as well as administering exams in a classroom-esque environment following a brief tenure in the position.

Education

Worcester Polytechnic Institute, Data Science Graduate. 2021 - Ongoing
> Relevant coursework includes:
> - Mathematical Concepts of Data Science (Statistics and Linear Algebra)
> - Database Management
> - Project Management and Machine Learning software usage.
> - Data Mining and information gathering
> - Relevant Coding Languages (SQL and R)
> - Current GPA of 3.5

University of Massachusetts Lowell, Mathematics Major. 2016 - 2020. Diploma received.

Sharon High School 2012 - 2016. Diploma received.