Ryan Johnson

DATA SCIENTIST

Bellevue, WA

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Experience

Data Scientist
THE ENERGY AUTHORITY

Bellevue, WA
Sep 2019 - Present

- Organized complete redesign of load forecasting process, incorporating advanced machine learning models and continuous integration.
- Developed several web applications for both internal and external use.
- Identified and automated many manual tasks performed each day by employees throughout the company.

Analytics Intern
THE ENERGY AUTHORITY

Bellevue, WA
Mar 2019 - Sep 2019

- Supported other analysts in the maintenance and development of machine learning models, time series analysis, and data processing.
- Redesigned existing Analytics web applications via 'R Shiny' framework.
- Communicated actionable data insights and issues to management to support decision processes.

Business Systems Analyst Intern
EQUINIX

Sunnyvale, CA
Jun 2018 - Sep 2018

- Analyzed and optimized current tech stack along key performance indicators.
- Created and updated IT application runbooks for core applications.
- Built reports and dashboards to measure success and operational efficiency.

Education

University of Washington
MS IN APPLIED MATHEMATICS: COMPUTATIONAL FINANCE

Seattle, WA
Sep 2018 - Dec 2019

- Recipient of the Professional Excellence Award for distinguished academic merit and professionalism.
- Studies included statistical modelling, machine learning, and risk management.

Santa Clara University
BSc IN MATHEMATICS AND COMPUTER SCIENCE

Santa Clara, CA
Sep 2014 - Jun 2018

- Graduated cum laude with dual emphases in Data Science and Financial Mathematics with a minor in German Language & Culture.
- Recipient of the Paul R. Halmos Award for Outstanding Academic Record.
- Teaching Assistant for Intro. to Computer Science, Object Oriented Programming, Cryptography, and Data Science. Research Assistant in Data Science.
- President of Pi Mu Epsilon (Mathematics Honor Society) and The Math/CS Society (social group).

Relevant Skills

Communication
PRESENTATIONS (TECHNICAL AND NON-TECHNICAL), DASHBOARD/UI DESIGN, DATA VISUALIZATION

Programming Languages
R (ADVANCED), PYTHON, SQL, MATLAB, C++

Software Development
VERSION CONTROL, CONTINUOUS INTEGRATION, ETL SYSTEM DESIGN

Data Science
EXPLORATORY DATA ANALYSIS, MODEL VALIDATION AND TUNING, TIME SERIES ANALYSIS, DATA PROCESSING