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Summary
Driven WPI student with strong programing and math background looking for full time entry-level position in Data Science.

EDUCATION
Bachelor of Science in Data Science, Minor in Mathematical Science, GPA 3.79/4.0, 5/2021
Worcester Polytechnic Institute (WPI), Worcester, MA

TECHNICAL SKILLS
Software: Git, Jupyter Lab, DBeaver, AWS, Tableau Public, Swagger, Jira, MacOS, Linux, Microsoft Excel: StatTools, PrecisionTree
Programming Languages: R, Python, Pandas, PostgreSQL, NodeJS, Vue.js, React, Java, HTML, CSS, Yaml, Apex SalesForce, Golang

COMPETENCIES
Data Science, Big Data, Amazon Web Services/AWS, Predictive Modelling, Machine Learning, Data Visualization, Regression Models, Classification Models, Data Cleaning, Statistics, Time Series Analysis, Natural Language Processing, Optimization Models

PROJECTS
Major Qualifying Project (MQP) | Dell EMC/WPI | Worcester, MA 9/2020 – Current
Working with student team and Dell EMC domain experts on evaluating and determining the root cause of board failure by analyzing diagnostic logs. Utilized data mining, feature selection, and mathematical modeling in order to find previously missed outlier in data.

Project EVE | Florida Institute of Technology (FIT) | Melbourne, FL 1/2020 – 7/2020
Developed R scripts that cleaned, visualized, and analyzed launch data from test flights, in order to streamline analysis for team. An example being automatically calculating the apex of the flight and running a linear regression to calculate descent velocity.

Statistical Learning | Worcester Polytechnic Institute (WPI) | Worcester, MA 3/2020 – 5/2020
Utilized machine learning techniques with R such as linear regression (stepwise selection), lasso regression, random forest, and neural networks on 3 Gb of sports data to predict outcome of March Madness. Also performed hierarchical cross-validation to avoid data snooping in model. Tuned hyperparameters, such as number of trees in forest and nodes in hidden layer to increase accuracy.

Interactive Qualifying Project (IQP) | Xin Foundation/WPI | Hangzhou, China 11/2019 – 12/2019
Assembled non-bias survey with team asking Chinese students their perception of mental health and mindfulness. Worked with students from sponsor university on cultural translation of questions. The survey had an outreach of 400 responses, we utilized regression models, data visualization, and infographics to analyze responses for decision makers at sponsor company.

INTERNSHIP EXPERIENCE
Full Stack Data Scientist | Agency Leads | Manchester, NH (remote) 12/2020 – 1/2021
Architected and trained deep neural network on 80,000 records to classify job posting, in turn increasing productivity of Lead Geniuses to create agency leads. Then implemented model into REST API and react application to allow for company integration.

Researcher Intern | Worcester Polytechnic Institute (WPI) | Worcester, MA 6/2020 – 8/2020
Collected, mined, architected, and hosted various datasets related to the COVID-19 pandemic in order to aid future research utilizing Pandas. Wrote Cron jobs to call python scripts daily that automatically prepared data to be inserted into MySQL database.

Software Engineering Intern | CyberSN | Boston, MA 8/2017 – 1/2020
Collaborated with Development team that utilized rapid development techniques to deliver a high-value internal application (Blitz) for the Regional Outbound Sales teams. Also, documented coding standards of Blitz to reduce future technical debt.

Intern | Biscom | Chelmsford, MA 6/2015 – 8/2017
Queried and data-mined PostgreSQL database in order to find the story within a large dataset of user usage. Visualized results and created a PowerPoint to present to decision-makers and engineering team on user use patterns to steer future development.

LEADERSHIP
Data Science Council | Worcester Polytechnical Institute | Worcester, MA 11/2020 – 5/2021
Vice President | Undergraduate Data Science Club | Worcester, MA 11/2021 – 5/2021
President | Phi Sigma Kappa Fraternity | Worcester, MA 3/2019 – 10/2019
Secretary | Society of Industrial and Applied Mathematics | Worcester, MA 1/2018 – 4/2018