

Malachy Moran

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KEY QUALIFICATIONS

R Programming
Microsoft Excel
Statistical Analysis

SQL Programming
Project Management
Negotiation

Leadership
Teamwork
Public Speaking

EDUCATION 2008-2019

- High School Diploma, Inglemoor Senior High (International Baccalaureate Program), 2008
- Associates of the Arts in Integrated Studies, Cascadia Community College, 2008-2010
- B.S. Mathematics (Statistics), American Military University, (Magna Cum Laude), 2015-2020
- MIDS (Master of Information Data Science) University of California Berkeley, 2020-2022

EXPERIENCE

Alaska Communications Inc. (ACS), 2020 - Present

Anchorage, AK March 2020 - Present

Senior Corporate Analytics Specialist

Senior position on the Marketing Research and Analytics team. Worked independently and in teams to plan and execute complex analysis projects. Created actionable business intelligence. Utilized R, SQL Server Management Studio, Microsoft Excel and Microsoft Power BI to create reports, dashboards, and statistical models. Presented results to senior level leaders including the CEO.

- Constructed a Logistic Regression model to predict customer non-payment. Customer data was pulled into R using embedded SQL queries. Relevant variables were identified using correlation testing and built into a predictive model using additive model building procedures.

General Communications Inc. (GCI), 2019 - 2020

Anchorage, AK February 2019 - February 2020

Data Analyst I

Responsible for performing analysis in support of Strategic Sourcing section. Worked with internal clients to identify sourcing needs and opportunities for process improvements. Clients included all departments in the company structure, including the Enterprise Security Office (ESO), Network Engineering and IT. Briefed VP and C level management on project progress. Worked with vendors to negotiate pricing, payment terms, and contractual agreements. Organized meetings, conducted Requests for Proposal, gathered quotes and analyzed past invoices. Analyzed previous spending and future proposals to maximize savings and minimize cost.

- Learned a new software (Alteryx), and utilized knowledge of SQL to pull data from the company's inventory tracking system. Modelled spares usage with the Poisson distribution to identify optimal quantities of equipment to stock.
- Negotiated an Enterprise Licensing Agreement with a major virtualization software provider. Worked with stakeholders across three departments to build consensus on a three-year deployment plan. Saved the company over \$2,000,000 on a \$7,000,000 purchase.

State of Alaska Department of Revenue, Economic Research Group 2018

Anchorage AK September 2018-December 2018

Volunteer Intern

Responsible for performing statistical analysis to provide actionable information to higher levels of leadership. Worked under a team of eight economists to gain insights from publicly available data. Created databases of relevant information using Microsoft Access and analyzed them via Microsoft Excel and the R programming language. Presented reports to the Commissioner of Revenue and gave Microsoft PowerPoint presentations on research.

- Analyzed Department's historical oil price forecasting accuracy and compared it to other similar agencies. Built a database in MS Access of relevant data, using it to conduct parametric and non-parametric testing in R. Wrote a white paper on findings, and presented them the Commissioner of Revenue. This resulted in the State of Alaska changing the official oil price forecasting process.
- Constructed a random forest machine learning model in R to assist with the classification of Alaskan companies into different industries. Utilized bag-of-words text mining and a training set of previously classified companies to build the model, achieving an accuracy rating of ~85%.
- Assisted in the calibration of a new oil price model. Researched and learned a novel programming language to utilize Bayesian inference software, allowing the model to be updated and moved closer to implementation.

United States Army, 2011-2019

Eglin AFB, Crestview FL October 2011-January 2016

Ft. Richardson, Anchorage AK January 2016-February 2019

Starting Position: Diesel Mechanic

Highest Position Held: Maintenance Control Supervisor

Managed the company's Enterprise Resource Planning SAP software by teaching, training and leading a team of five administrative clerks. Managed the work and training of a 28-man maintenance crew. Responsible for overseeing the ordering and transport of materials from the warehouse to the end user. Responsible for writing annual reviews for lead mechanics. Oversaw the logistics, maintenance and repair of a fleet of over 200 vehicles and generators.

- Studied for and earned a Technical Certification in the troubleshooting of air brake systems, adding needed expertise to the shop.
- Attended the Army's Advanced Leadership Course and graduated top of the class as the "Distinguished Honor Graduate."