**Karson Hodge**

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**EDUCATION**

**Southern Arkansas University** Aug 2023 – May 2025

Master of Science in Computer and Information Science

* Cumulative GPA: 3.91 / 4.0
* Thesis: *Unsupervised Multidimensional Outlier Detection Based on Parametric Methods*

**University of Lethbridge** Sept 2016 – April 2021

Bachelor of Science in Statistics (*Concentration: Economics*)

**WORK EXPERIENCE**

**Eaton Corporation** Calgary, AB

Continuous Improvement Intern May 2024 – Aug 2024

* Assumed the role of product specialist along with all duties associated when filling in for a full-time employee on five weeks leave.
* Handled the operation of the panelboard line, maintaining a safe level of uptime to ensure production targets were met.
* Redesigned inventory layout with Excel and implemented a new labelling system, reducing item retrieval time by ease of access.
* Reduced data entry time by utilizing Oracle DataLoad macros to automate redundant data tasks.

**Peoples Trust Company** Calgary, AB

Real Estate Analyst Feb 2022 – July 2023

* Provided underwriting for CMHC insured commercial loans to verify information, calculate risk, and insert profit spread.
* Utilized excel to build cashflow models of pre-existing or construction-based properties, using financials and broker provided packages.
* Verified new purchases of existing properties by either completing an internal assumption or CMHC approved replacement of covenant.
* Developed and maintained strong relationships with mortgage brokers by collaborating on new deals, collecting necessary documentation, and actively networking at industry events.

**Universal Rehabilitation Service Agency** Calgary, AB

Data Analyst and Quality Assurance Nov 2021 – Feb 2022

* Developed and utilized databases with Microsoft Excel to improve quality control.
* Modelled confidential data with accurate charts, metrics, and trends to evaluate programs impact.
* Proposed new data collection strategies while maintaining great verbal and written communication with management to improve the development of documentation and policy.
* Initiated a research project with Python and its statistical analysis modules to analyse program goals and develop dashboards with Power BI.

**PROJECTS**

**Terminal Portfolio (JavaScript) -** [GitHub Repo](https://github.com/hodge-py/hodge-py.github.io)

Customizable Linux terminal replicate for portfolio creation. Options can be changed using the JSON file provided.

**ADDITIONAL**

**Programming:** Python, SQL, Java

**Data Science:** Pandas, NumPy, Scikit-learn, Matplotlib

**Tools:** Git, Excel, Power BI, Oracle DataLoad