# Jaemin Park

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## Education

2022 - 2027 **3A Combinatorics and Optimization @ University of Waterloo** (GPA: 3.8/4.0)

## Skills

| | |
|---|---|
| Programming Languages | C/C++, Java, Python, R, SQL |
| Tools | Excel, Power BI, P&L, Balance sheet Mathplotlib, Pandas, Seaborn, Linux |

## Work Experience

**Financial Analyst**—Excel, Powerpoint, Data Visualization, Data analysis Sep 2024 - Dec 2024

A Berger Precision, Ltd. - Finance Department

- **Managing P&L statements and balance sheets**, conducting analysis, and assisting in financial report creation; contributed to **planning the 2025 budget.**
- Used **K-Mean clustering** to segment customers by sales and margin, presenting **strategic insights to Berger Holdings that improved understanding of sales dynamics.**
- Analyzed products from the Canadian and U.S. plants, **summarizing sales performance by customers and their part numbers**, and **visualizing year-to-date sales versus budget, sales trends, and key drivers of results**; presented findings, including graphs, to the CEO, receiving positive feedback.
- **Developed a report tracking finished goods aging status** to prevent the accidental shipment of outdated products; reported weekly to the Plant Manager and Sales Manager as a key performance indicator.

**Access Control Administrator**—Excel,Word, DRA, Communication May 2023 - Dec 2023

Toronto Transit Commission - IT Department

- **Assisted in developing and maintaining the security rules for Access management** to provide controlled access based on data guardian's information access requirements
- Automated data searching and maintenance cycles using **VBA and Pivot Tables** to ensure the information in the database was secured
- Implemented access management protocols and auditing procedures to **maintain the integrity and confidentiality of the organization's sensitive data and systems**

## Projects

**Housing Trends in Toronto Area**—Python, Mathplotlib, NumPy, Pandas, KMean, SOM

- Conducted housing price trend analysis and **market dynamics understanding via data analysis**
- Applied **Self-Organizing Map and KMeans clustering** techniques to time series data for regional price pattern classification
- Achieved **57.4% silhouette score** with the formation of **6 clusters**, successfully segmenting the housing market
- Utilized **Pyplot, Mathplotlib and Seaborn to visualize** similarities among regions within clusters and revealed the market behaviour which was not clear before