EGE GURES

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EDUCATION

B.Sc. Mathematics | University of British Columbia Expected Jan 2026

- Specializing in Mathematical Computing

EXPERIENCE

Software Engineer Intern | Microsoft Azure Sep 2022 – Apr 2023
Cerebrum Technologies

- Worked on Microsoft Azure Services such as AI Content Safety, Speaker Recognition, and Azure Traffic Manager.
- Improved content safety by 40% using Azure AI Content Safety to mitigate harmful content.
- Developed a Metaverse called Cereverse where Azure services are applied to improve user experience.

CERTIFICATES

- Google Cloud Architect & Developer Specializations Jun 2024
- Stanford University Machine Learning Specialization Aug 2023
- Google IT Support Specialization Jul 2023

PROJECTS

UBC Pathfinder | NetworkX, cvxpy Feb 2024

- Developed a UBC campus pathfinding application using NetworkX and geospatial data.
- Applied linear programming techniques to calculate shortest paths and optimal meeting points, reducing average travel time for users by 5% compared to Google Maps.

Social Media Website | HTML, JavaScript, SQL, Oracle Nov 2023

- Created a web-based sample social media that allows users to upload posts, stories, send messages to each other and list items for sale.
- Used Oracle and SQL for database management, used JavaScript for responsive design.

COURSES

CPSC304: Relational Databases

- Developed skills in database design, data warehousing, and SQL query optimization
- Created a Social Media website, including authorization and data integrity measures.

CPSC322: Artificial Intelligence

- Studied informed/uninformed search, CSPs and planning, logic, Belief Networks and Decision Theory.

CPSC330: Applied Machine Learning

- Used scikit-learn to apply classification and regression algorithms and studied optimizing ML models.
- Studied NLP techniques and used pretrained embeddings to extract information from textual data.

MATH340: Linear Programming

- Gained experience in solving Linear Optimization Problems using the Simplex method, Binary & Integer Linear Problems with Branch and Bound method, and converting nonlinear problems to linear problems.

SKILLS

Programming languages: Python, Java, Swift, SQL, JavaScript, HTML, CSS, C/C++, Bash, R
Libraries: NumPy, Pandas, networkx, cvxpy, ccxt, scikit-learn, Tensorflow, PyTorch, cripy, sympy, pulp
Tools: AWS, GCP, Git, Azure, Docker, Kubernetes, Terraform, Google OR Tools, OracleDB, VScode, Xcode