Rodmichael Umapas

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SUMMARY

Motivated and adaptable professional with experience in software development, project management, data analysis, and team leadership. Skilled in problem-solving, workflow optimization, and cross-functional collaboration, with a proven ability to deliver results in both technical and fast-paced operational environments.

EDUCATION

University of Calgary **Calgary, AB**

BSc Software Engineering *2021-2026*

- **Relevant Coursework:** Python, Java, C/C++, Data Structures and Algorithms, Machine Learning Systems, Full Stack Dev, Statistics, Data Management, Software Architecture, Computer Architecture, Discrete Math
- **Dean's List** Academic Achievement Award

WORK EXPERIENCE

TC Energy **Calgary, AB**

Software Developer Intern *May 2025- Present*

- **Collaborated** with software developers to build and test proof of concept (PoC) solutions using **Python, Docker, and AWS CDK.**
- **Deployed and managed cloud infrastructure** using AWS CDK, provisioning services such as Amazon S3, AWS Lambda, Amazon EC2, Amazon EFS, and VPC to support scalable and secure PoC environments.
- Created **Power BI dashboards** to visualize system status and logs, delivered weekly to **VPs** to report project progress with key metrics including **schedule**, **cost**, and **overall status**.
- Gained hands-on experience in **cloud-native development, containerization, and infrastructure as code (IaC)**, supporting end-to-end solution delivery.

TC Energy **Calgary, AB**

Project Management Intern *May 2024- August 2025*

- **Supported 40+ pipeline integrity projects** valued at **$100M+**, supporting **7 project managers** in the **preventative maintenance of pipelines and facilities** across Canada.
- Led **application development initiatives** to **streamline project deliverables** by gathering stakeholder requirements and implementing digital solutions to improve efficiency and tracking.
- Provided **mentorship and direct supervision** to new hires, guiding an intern for **4 months** with structured feedback and skill development to enhance business knowledge and problem-solving abilities.
- **Tracked project deliverables** across multiple stakeholders, ensuring **critical milestones were met** and proactively resolving roadblocks to enable project success.
- Developed **Project Delivery Standards** to improve project execution and **optimize outage and construction resource planning**, leading to **cost savings and schedule efficiencies**.
- Collaborated with **Project Managers, Operations Planning, and Regional SMEs** to enhance project scheduling and resource allocation, maximizing efficiency.
- **Promoted a strong safety culture** by sharing **process safety best practices**, conducting **site visits**, and communicating safety incident highlights.

M2M Technology **Vancouver, BC (Remote)**

Data Scientist Intern *May 2023- August 2023*

- Developed and optimized predictive models using **Supervised and Unsupervised Learning, Decision Trees**, and other advanced ML techniques to extract valuable insight from large datasets.

- Designed and implemented **interactive visualizations** to communicate key trends, improving data-driven decision-making.
- Conducted **feature engineering, model evaluation, and hyperparameter tuning**, enhancing model accuracy and performance.
- Engaged in continuous learning through specialized **AI/ML courses** in partnership with the Government of Canada, deepening expertise in **reinforcement learning, deep learning, and advanced statistical modeling.**

Earls Kitchen & Bar   **Calgary, AB**
Sous Chef   *October 2021 - April 2024*
- **Led and coordinated** a high-performing team in a fast-paced, deadline-driven environment, ensuring operational efficiency, quality control, and adherence to established standards.
- **Optimized workflows** and resource allocation to improve productivity and meet time-sensitive targets.
- Oversaw end-to-end production processes, ensuring deliverables consistently met quality, compliance, and performance standards.
- Communicated priorities, delegated tasks, and provided real-time feedback to drive team alignment, collaboration, and continuous improvement.

CERTIFICATES & ACTIVITIES

- Engineering Entrepreneurship Essentials Certificate - University Of Calgary
- Certified System Administrator Certificate - ServiceNow
- Schulich Leadership Program - University Of Calgary
- Hackathon - Hack The Change
- First-Year Scholar Program - University Of Calgary

SKILLS & INTERESTS

Computer: Python, Java, SQL, C/C++, React, Note.js, GIT, scikit-learn, Linear Regression, JavaScript, HTML, CSS, RISC-V, SAP, Excel, PowerBI
Interests: Basketball, Cars, Travelling, Cooking, Fitness, Video Games