Michael Buriek
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EXPERIENCE

PwC — San Diego, CA
Senior Associate - Machine Learning Engineer — Aug 2023 – Present

- Trained, fine-tuned, and deployed multiple machine learning models within a Databricks environment, leveraging MLflow and Delta Lake for experiment tracking, scalable data processing, and efficient model lifecycle management across enterprise use cases
- Researched Large Language Models (LLMs), evaluating their behavior and output using advanced machine learning and statistical methods to optimize efficiency, accuracy, and cost-effectiveness within scalable enterprise generative AI applications
- Architected and developed a sophisticated Retrieval-Augmented Generation (RAG) pipeline and contextual summarization engine utilizing LLMs and Microsoft Azure services, including Function Apps, Document Intelligence, and Cognitive Search, allowing users to upload entire SharePoint sites and query against privatized data
- Developed and deployed multiple tailored, scalable proof-of-concept Generative AI applications for PwC's Oracle Practice clients, incorporating natural language interaction with structured databases and Retrieval-Augmented Generation (RAG) services for unstructured data, effectively showcasing AI solutions and securing high-value client engagements

Goldman Sachs — Salt Lake City, UT
Summer Analyst — Jun 2022 – Aug 2022

- Designed and implemented an automated investment fund classification pipeline in Python for the Asset Management division
- Prepared Daily Equity, Funded Loans, Estimate vs. Actuals, and Daily P&L statements for the Legal Entities Controllers division
- Developed and automated the 'CFO Pack' executive summary presentation, providing key insights on performance metrics, revenue trends, and expense drivers for client-facing divisions

Ernst & Young LLP — San Diego, CA
Assurance Intern — Jan 2022 – Apr 2022

- Prepared audit evidence to assess C-suite financial assertions through substantive audit procedures and control tests.
- Assessed the reliability and fairness of financial statements by performing risk assessments and reviewing work-papers of financial data
- Applied US GAAP, US GAAS, FASB/PCAOB regulations and EY General Audit Methodology on audit procedures for multiple public and pre-IPO companies

San Diego Gas & Electric — San Diego, CA
Enterprise Analytics Intern — May 2021 – Aug 2021

- Developed comprehensive Power BI dashboards for SDGE stakeholders, showcasing cumulative health and safety incidents to support informed decision-making.
- Developed AWS ETL Glue jobs in Terraform Infrastructure as Code language assisting Accenture IT Consultants provisioning an AWS Data Lake for an SDGE ML pipeline
- Designed and implemented scalable data pipelines using AWS services, enabling efficient data ingestion and processing for machine learning workflows, contributing to SDGE's operational optimization through data-driven insights

Brigham Young University - Ira A. Fulton College of Engineering — Provo, UT
Advanced Web Development Teachers Assistant - CS 260 — Sep 2021 – Apr 2023

- Assisted in the development and grading of assignments and projects, providing feedback to students on their advanced web development skills and code quality
- Facilitated weekly lab sessions, helping students troubleshoot and implement advanced web technologies, including front-end frameworks and server-side scripting
- Conducted review sessions and one-on-one consultations to clarify course concepts, improve student understanding of complex web development topics, and support their project work

EDUCATION

Brigham Young University – Marriott School of Business — Provo, UT
Bachelor of Science in Accounting & Minor in Computer Science — Sep 2019 – Apr 2023

- GPA 3.62 / 4.00
- Marriott School of Business Dean's List (top 5%) & Henrietta K. Herwig Full Tuition Academic Scholarship
- Data Structures, Discrete Structures, Algorithm Design & Analysis, Object Oriented Programming, Linear Algebra
- C++, Java, Python, Kotlin, Android SDK, Material Design, JavaScript, HTML, CSS, Node.js, Vue, React, SQL, MongoDB, PowerBI, Tableau, Alteryx

AWARDS, SKILLS & INTERESTS

- Eagle Scout, Boy Scouts of America
- Russian Tutor | Limited Working Proficiency
- Searcher | Surfing experience in California, El Salvador, North Shore (Hawaii), and Mexico
- BYU Rugby 2019 Men's College Division 1a Rocky Mountain Conference Champion
- Volunteer Representative | Kyiv Ukraine, Sep 2016 – Sep 2018 | Sustainable Farm, English Lessons, Community Service