

Drew Herron

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SUMMARY

Recent master's graduate in computer science with 5+ years professional experience in data analytics, business intelligence, and database systems, with applied work in AI/ML, natural language processing, data engineering, and cybersecurity. Open to engineering roles across AI/ML, data, and security; relocation and remote work welcome.

EXPERIENCE

Data Project Assistant

07/2019 – 09/2021

Energy Trust of Oregon (via CampusPoint)

Portland, OR

- Led data cleanup projects including merging duplicates, updating classifications, and reorganizing hierarchies
- Collaborated with DBAs to improve database structure and establish business rules for CRM entity classification
- Created SQL queries and R programs to analyze and deduplicate data across CRM and database systems
- Developed and maintained Power BI reports for tracking data quality, year-end QC, and database health

Business Intelligence Developer

09/2016 – 01/2019

WE Communications

Portland, OR

- Planned data collection strategies to measure press coverage and PR impact of client events and product launches
- Analyzed press coverage and sentiment data using Excel, Power BI, SQL and Python to derive actionable insights
- Designed and built data visualizations and trained internal stakeholders in Power BI dashboard functionality
- Monitored competitor press coverage and sentiment to provide strategic intelligence on industry/market positioning

Cryptologic Linguist

12/2008 – 12/2013

United States Air Force

Clearance: TS/SCI

- Managed a team of Arabic translators providing tactical support to US forces deployed to combat zones abroad
- Developed database queries to identify surveillance targets, coordinating collection requirements with analysts
- Personally trained and qualified all new team members in intelligence processing methods and software
- Maintained DLPT level 3/3 proficiency in both Arabic and German, supervised team language practice

EDUCATION

M.S. Computer Science

09/2021 – 12/2024

Portland State University

Portland, OR

- Concentration: Artificial Intelligence & Machine Learning
- GPA: 4.0; Honor Society of Phi Kappa Phi

B.A. International Studies

09/2001 – 06/2005

University of Oregon

Eugene, OR

SKILLS

- **Programming Languages:** Python, Go, C, C++, R, Lisp, Bash, SQL, JavaScript, TypeScript, HTML, CSS
- **Libraries & Tools:** Linux, Git, spaCy, NLTK, PyTorch, TensorFlow, pandas, NumPy, scikit-learn, LangChain
- **AI & ML:** LLMs, NLP, Computer Vision, Deep Learning, Sentiment Analysis, Vector DBs, Agentic AI, RAG
- **Cloud & Data Engineering:** Database Design, Data Pipelines, ETL, Docker, Kubernetes, Terraform, Spark, GCP
- **Languages:** English (Native), German, Arabic

CERTIFICATIONS

CompTIA Security+ (2026), FCC Amateur Radio Technician License