

SUMMARY

Full-stack developer with expertise in 3D graphics, data analysis, and team leadership. Experienced in building performant web applications, browser extensions, and data processing pipelines. Proven track record of leading teams and delivering successful projects in both technical and coaching roles.

PROFESSIONAL EXPERIENCE

- Data Analyst

TELUS Digital

Remote

Apr. 2024 - Present

◦ Analyzed the content and quality of responses given by various types of components of AI agents.

◦ Optimized RAG (Retrieval-Augmented Generation) systems for LLMs, improving response accuracy by 35%

◦ Developed data validation frameworks for multi-modal content analysis across text, audio, and visual media

◦ Completed research and evaluation tasks in a web-based environment.

◦ Performed highly detail oriented and research intensive work. Following a specific set guidelines for each task.
- Technical Lead & Esports Coach

Various Tier 2 Teams

Remote

Sept. 2019 - Mar. 2024

◦ Led development of data-driven coaching tools, processing match statistics for 6+ teams using Python and spreadsheet automation

◦ Created interactive training materials using web technologies, reaching 50+ players across multiple teams

◦ Increased team performance metrics by 40% through implementation of structured analysis and feedback systems

◦ Managed cross-functional teams of 8-12 people, coordinating between players, analysts, and support staff

TECHNICAL PROJECTS

- PaleoMap3D

github.com/afnleaf/paleomap3D

Three.js, WebGL, Node.js, Docker

2024

◦ Architected a high-performance 3D globe visualization system processing 500MB+ of geological data in real-time

◦ Developed custom binary format reducing data transfer size by 60% while maintaining rendering quality

◦ Implemented texture-based rendering optimizations achieving 60 FPS on mid-range hardware

◦ Built RESTful API endpoints handling 1000+ requests/minute for geological data retrieval
- Replaycode-OCR

github.com/ow2-replaycode-ocr

Python, OpenCV, Docker

2024

◦ Engineered OCR pipeline achieving 94% accuracy in extracting alphanumeric codes from varied image sources

◦ Implemented CI/CD workflow reducing deployment time by 75% through Docker containerization

◦ Designed monitoring system capturing 100+ daily user interactions for continuous improvement
- Pokepastefix

github.com/afnleaf/pokepastefix

JavaScript, Browser Extensions

2024

◦ Developed cross-browser extension serving 500+ daily active users across Chrome and Firefox

◦ Reduced page load time by 40% through optimized DOM manipulation and caching strategies

◦ Maintained 5/5 star rating across browser extension stores through responsive updates and user support

EDUCATION

- University of Guelph

Bachelor of Computing, Computer Science

Guelph, ON

2018 - 2023

◦ Focus Areas: Software Engineering, Database Systems, AI/ML, Web Development, Algorithms

◦ Key Projects: Developed full-stack web applications, implemented machine learning models, designed distributed systems

TECHNICAL SKILLS

- Languages: Python, JavaScript (Node.js, React), C/C++, Go, Java

• Web Technologies: Three.js, WebGL, HTML5, CSS3, REST APIs, WebSockets

• Tools & Platforms: Docker, Git, CI/CD, Linux, Cloud Services (AWS/GCP), Kubernetes

• Data & Databases: PostgreSQL, SQLite, MongoDB, Redis, Data Analysis, Machine Learning