Shayan Alahyari

salahya@uwo.ca 6478563550 London, Canada

TECHNICAL SKILLS

- **Languages**: Java, Python, C#, C, C++, PHP, HTML, CSS, JavaScript, SQL, Bash Shell
- **Tools**: Git, Machine Learning, Docker, AWS, MySQL, .NET, ASP.NET, Agile
- **Libraries**: TensorFlow, PyTorch, React, Node.js, Django, Bootstrap, RESTful APIs

PROJECTS

Genomic Data Processing for Machine Learning May 2024 – Sep 2024

Supervisor: Professor Mike Domaratzki, Western University

- Developed a series of 7 shell scripts to process large genomic datasets and prepare them for machine learning models.
- Spearheaded the processing of over 1TB of raw genomic data, handling 500+ BAM files across 20+ chromosomes.
- Key steps included BAM indexing, filtering, base recalibration, variant calling, and SNP filtering.
- Enhanced processing efficiency by 30% through optimized parallel execution.
- Technologies used: GATK, Miniconda, samtools, parallel, Java.
- Repository: https://github.com/ShayanAlahyari/Genomic_Data_Processing

PROFESSIONAL EXPERIENCE

FINANCIAL ANALYST Jul 2019 – Nov 2022

CURO Financial Technologies Corp London, Canada

- Cultivated and Strengthened Client Relationships, achieving a 95%+ client satisfaction rate by delivering exceptional service and support to a diverse clientele across various industries.
- Analyzed and Interpreted Financial Data, extracting and cleansing data from multiple sources to provide actionable insights, leading to a 20% improvement in financial decision-making for clients.
- Developed User-Friendly Financial Education Materials, enhancing clients' financial literacy and confidence, resulting in a 30% increase in engagement with financial management tools and resources.

ELECTRICAL ENGINEER Jun 2016 – Jul 2018

Gishay Negar Shiraz, Iran

- Engineered and Designed Advanced Electronic Circuits and Systems for over 20+ diverse applications, leveraging cutting-edge technologies to achieve up to a 30% increase in system efficiency and performance.
- Optimized Circuit Performance using advanced simulation software, achieving a 25% improvement in system reliability and a 20% reduction in energy consumption across multiple projects.
- Developed and Implemented Robust Testing Protocols, conducting 100+ testing sessions to rigorously assess system performance, which led to a 95% compliance rate

EDUCATION

MASTER OF SCIENCE - COMPUTER SCIENCE 2024 – 2026

Western University London, Canada

BACHELOR OF SCIENCE - COMPUTER SCIENCE 2023 – 2024

Western university London, Canada

BACHELOR OF ENGINEERING - ELECTRICAL ENGINEERING 2012 – 2016

Shiraz Azad University Shiraz, Iran