Andrew Romanof

647-569-2491 | andrewromanof@gmail.com | linkedin | github | portfolio

EDUCATION

Ontario Tech University — Oshawa, ON
Master of Science in Computer Science — *January 2024 – Present*

Ontario Tech University — Oshawa, ON
Bachelor of Science in Computer Science — *September 2018 – June 2023*

EXPERIENCE

Research Assistant — January 2024 – Present
Ontario Tech University — *Oshawa, ON*
- Created and ran python scripts to automatically collect HTML content off web pages to create custom datasets
- Fine tuned multiple LLMs on custom datasets
- Evaluated fine tuned model's performance using different metrics (BERTScore, ROUGE, BLEU, MAUVE, etc)

Teaching Assistant — January 2024 – Present
Ontario Tech University — *Oshawa, ON*
- Led lab sessions to help students with lab assignments
- Conducted personal office hours to give individual support to students needing help with course material
- Consistently received positive feedback from students through course ratings

Quality Assurance Analyst — September 2023 – January 2024
Gao RFID — *Pickering, ON*
- Configured RFID server with locations, devices, tags, and reader components for diverse customer projects (people and asset tracking), integrating various technologies and software (e.g., Microsoft SQL Server 2019, Mosquitto, IIS, MongoDB) on GAO RFID's version 3 platform
- Contributed to enhancing GAO RFID's software platform by running test cases and reporting bugs for version 4 through Bugzilla

I.T. Deskside Support — January 2022 – July 2022
Toronto Hydro — *Toronto, ON*
- Responded to customer inquiries and provided technical support through various channels (phone, email, chat, and in-person)
- Troubleshoot, diagnosed, and resolved software and hardware issues ensuring customer satisfaction and providing timely solutions

Technician — May 2019 – September 2019
Bell Technical Solutions — *Scarborough, ON*
- Communicated with customers to ensure property alterations where satisfactory
- Adhered to all health and safety protocols while driving to customer site and using tools to install and repair internet, tv, phone on residential premises

PROJECTS

Match Outcome Predictor in Dota 2 | *Python, Pandas, PyGraphviz, sklearn, JSON*   January 2024 – April 2024
- Created and ran Python scripts to automatically use HTTP requests to fetch data from Opendota API and filter the data to create my own dataset in JSON format
- Used Pandas to store and manipulate my JSON data into data frames
- Used sklearn to train a pre-built decision tree model on my data
- Used PyGraphviz to visualize my results and findings

NewsFlash | *Flutter, Dart, Geospatial, Git*   September 2022 – December 2022
- Collaboratively developed a social media application replica with a team of four, utilizing Flutter and Dart
- Implemented geolocation to retrieve user location data and integrated geocoding to display it on a map
- Ensured proper version control using Git for project management and collaboration

Technical Skills

Languages: (proficient): Python, HTML/CSS (familiar): Java, C#, C++, SQL Postgres, JavaScript, R, Dart
Developer Tools: (proficient): Git, Jupyter Notebook, VS Code, Visual Studio, IntelliJ (familiar): R Studio, Bugzilla, Microsoft SQL Server 2019, Mosquitto, IIS, MongoDB
Libraries: pandas, NumPy, Scipy, Matplotlib, sklearn, PyGraphviz, Tensorflow, Pytorch