

Nora Chamseddin

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🏠 norachams.com

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Skills

Programming Languages: Python, C, Java, JavaScript, C++, SQL

Libraries & Frameworks: React, Django, Vue, Node.js, Flask, NumPy, Pandas

Tools & Platforms: Git, Netlify, Heroku, Figma, Docker, Unix, MySQL, Postman, Postgres, Tabula, Linux

Experience

Data Automation Developer Intern @ AutoTrader

May - Aug 2023 // Toronto, ON (Remote)

- ▶ Developed over ten Python scripts, utilizing Pandas, Openpyxl, and NumPy, resulting in a 30% reduction in manual data handling time
- ▶ Ensured and maintained data accuracy by implementing data validation procedures, including data cleansing, deduplication, and validation checks, resulting in a 20% reduction in errors
- ▶ Established data pipelines through web scraping techniques, facilitating the extraction and processing of Big Data, contributing to analytical insights for 20+ automakers and 150+ dealerships
- ▶ Spearheaded the adoption of Git, Azure, Jira, and Confluence to streamline project management, enhance documentation practices, and foster team collaboration, leading to a 25% increase in project efficiency and on-time delivery

Site Reliability Engineer Fellow @ Major League Hacking

Jan - May 2023 // Remote

- ▶ Designed and built a scalable Flask web app that seamlessly integrates with MySQL database services, ensuring robust data management and enhancing overall system reliability
- ▶ Efficiently deployed and managed Unix/Linux servers using DigitalOcean droplets, while implementing automated testing and streamlining deployment with CI/CD tools, resulting in a 25% boost in operational efficiency
- ▶ Leveraged Docker containers and NGINX to deploy applications to testing environments, while also automating SSL certificate generation, ensuring a secure and reliable testing environment
- ▶ Selected out of 4,000 applicants for a highly competitive 12-week curriculum-based learning program, with an acceptance rate of only 2.5%

Web Developer Intern @ Klick Health

May - Aug 2022 // Toronto, ON (Remote)

- ▶ Revamped client websites by utilizing HTML, CSS, and integrated Vue.js to optimize UX, resulting in a 30% increase in user engagement
- ▶ Collaborated with the QA team to resolve issues on Jira by identifying and fixing bugs, while also enhancing website accessibility, resulting in a 15% increase in overall website quality
- ▶ Worked with developers using Adobe Experience Manager to manage client assets, optimize workflows, and improve delivery processes
- ▶ Created and presented a comprehensive branding strategy and website refresh with a diverse team of student interns across various departments for a nonprofit organization, Eat REAL, with the goal of raising \$16 million in donations by 2025

Software Developer @ Laurier Computing Society

Jan - May 2022 // Waterloo, ON

- ▶ Launched and developed a Django app, "Mnimi," incorporating memorization techniques and creating a responsive UI/UX using Figma and CSS
- ▶ Implemented SRS algorithm, resulting in a 20% improvement in recall memory, and utilized SQLite for data storage with deployment on Heroku
- ▶ Engineered the back-end system to maximize app performance, ensuring accurate Elo calculation, which increased overall algorithm effectiveness

Projects

StockSage - S&P 500 Price Prediction 🧠

Implemented a predictive model utilizing historical data to forecast the S&P 500 index's future prices. Utilized Python libraries such as Yfinance and Pandas to download and preprocess the S&P 500 data for machine learning. Employed data manipulation, backtesting, machine learning with a random forest model, and predictive feature engineering to optimize accuracy

OpCharge 🧠

Strategically optimizes charging stations using data analytics and k-means cluster algorithm. Aimed to enhance accessibility and efficiency of station locations in Windsor. Secured 1st place in both the People's Choice and Challenge, surpassing 70+ teams, received a prize of \$2,500

Education

Wilfrid Laurier University

2021 - 2026 // Waterloo, ON

Bachelor of Science in Computer Science and Bachelor of Business Administration (Double Degree); **GPA:** 3.7, President's Gold Scholarship 2023