

# Nora Chamseddin

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 norachams.com

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## Skills

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

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

**Tools & Platforms:** AWS, Docker, Figma, Firebase, Git, Heroku, Linux, MySQL, Netlify, Power Automate/BI/Apps, Unix

## Work Experience

### Automation Developer Intern @ Fidelity Investments

Jan - Apr 2024 // Toronto, ON (Hybrid)

- Developed algorithms using **Power Automate** and **AI Builder** to automate file processing, achieving a **1.5-hour** time reduction per project cycle by dynamically parsing **JSON** data for PDF data extraction and monthly updates
- Automated Fidelity's locker system with **Power Apps**, enabling efficient locker tracking and management while saving over **200 hours** annually through streamlined allocation processes
- Implemented a **Power BI** and **Power Automate** solution for daily batch data updates, saving **1250 hours** annually and facilitating real-time data dissemination to senior executives via email
- Managed end-to-end project lifecycles, from requirements gathering to stakeholder communication, demonstrating proactive project management skills and ensuring client satisfaction

### Data Automation Developer Intern @ AutoTrader

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

- Developed **Python** scripts using **Pandas**, **Openpyxl**, **NumPy** to automated data processing, improving manual data handling time by **30%**
- 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 // New York City, NY (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
- Deployed and managed Unix/Linux servers on DigitalOcean, implemented automated testing, streamlined **CI/CD** processes, and orchestrated containers with **Kubernetes**, boosting operational efficiency by **25%**
- Selected from over **4,000** applicants for a highly competitive 12-week curriculum-based learning program with a **2.5%** acceptance rate

### Web Developer Intern @ Klick Health

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

- Revamped client websites by utilizing HTML, CSS, and integrated **React** to optimize UX, resulting in a **30%** increase in user engagement
- Collaborated with **QA** team to identify and fix bugs in **Jira**, enhancing website accessibility, which increased overall website quality by **15%**
- Created a branding strategy and website refresh with a cross-functional team of interns for a nonprofit with the goal of raising **\$16 million**

## Projects

### JobJourney

Developed a job application tracker that fetches application emails using the **Gmail API** and categorizes them based on status (Received, Rejected, Interview) with **Cohere's API** for text classification, leveraging **NLP** and **LLM** technologies.

**Python/Flask** backend: **RESTful APIs** for email processing, authentication with Google Sign-In and **Firebase**, daily updates to application statuses using background tasks, database storage with Firebase **Firestore** and training the Cohere model for accurate email classification.

**TypeScript/React** frontend: **Tailwind** CSS for styling, user **authentication**, dynamic rendering of application statuses, seamless user experience for tracking job applications.

### OpCharge

Strategically optimized charging stations using data analytics and machine learning techniques, including the **k-means** clustering algorithm.

Aimed to enhance accessibility and efficiency of station locations in Windsor. Secured **1st** place in the People's Choice and Challenge, surpassing **70+** teams, and received a prize of **\$2,500**.

## Education

### Bachelor of Science in Computer Science and Bachelor of Business Administration (Double Degree)

Wilfrid Laurier University, Waterloo, ON // 2021-2026

**GPA:** 3.7, President's Gold Scholarship 2023, Dean's Honour List 2024