




Rachelle De Man

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Technical Skills

Languages: Python, TypeScript, Kotlin, JavaScript, HTML, CSS, GDScript, SQL, C++, C

Tools: GitLab, Jira, Git, GitHub, Godot, Figma

Libraries/Frameworks: React, Tailwind CSS, Next.js, Matplotlib

Experience

Software Engineer Intern | Okta, Toronto, ON | *Kotlin, AWS, GitLab, Terraform* May 2024 – Aug 2024

- Used **Kotlin, Terraform and AWS** to optimize internal process for critical workflows.
- Engineered a scalable solution **compatible with 21 different systems**.
- Individual work is estimated to result in over **30k in savings** once fully integrated.
- Coordinated with vendors and engineers to ensure a smooth deployment, providing hypercare across various systems.

Developer Intern | 1Password, Toronto, ON | *TypeScript, CSS, GitLab* May 2023 – Aug 2023

- Utilized **TypeScript** and React to improve **accessibility** and user experience for data reports.
- Assisted in launch of a redesigned Activity Log which was used by over **100,000 businesses worldwide** such as IBM, Slack, and GitLab.
- Identified, reported, and implemented fixes for internal documentation, general bugs, and potential weak points.

Technical Executive (Volunteer) | DeltaHacks, Hamilton, ON | *TypeScript, Next.js, CSS* Nov 2022 – Present

- Entirely rebuilt **React** application portal and landing page frontend for better mobile-responsivity using **TypeScript, Next.js**, and **Tailwind CSS**.
- Led creation of applicant status, QR profile scanning and QR linking frontend used by over **1000 participants**.
- Collaborated with events, design, and sponsorship team to ensure accuracy within landing page.


Hackathons

Integrity  | HawkHacks | *Python, BeautifulSoup, AI LLM* May 2024

- Utilized **Python** to create app that scans hackathons on Devpost to check submissions for potential cheating using similarity comparisons with **LLMs**, and GitHub activity analysis.
- Scraped project links, descriptions, and team member information for inspection using BeautifulSoup.

Dash  | Hack the North | *TypeScript, React, Tailwind CSS* Sept 2023

- Created a customize dashboard to assemble online resources into one location. Includes functioning cards for location based weather, recent email contents, GitHub activity for a repo, stock information, calendar events, news, and time.
- Built a widget to display stock information through use of Yahoo-Finance2 **API** to gather current data.
- Spearheaded creation of movable and resizing widgets using React-Grid-Layout.

River  | Hack the Hill | *TypeScript, React, Tailwind CSS, Prisma, Next.js* March 2023

- Built an RSVP application prioritizing low costs, simplicity, and ease of use with **TypeScript, Next.js**, Tailwind CSS, Prisma and tRPC.
- Fully functional attendee reservation and event creation with **analytics** such as event view count and RSVP total.

Passion Projects

Crochet Blog  | *TypeScript, JavaScript, React, CSS, HTML* June 2022 – Present

- Developed a web blog to document and share crochet patterns.
- Produced graphs using Recharts to display time investments and project difficulty.

Cave Generation  | *Python, Godot, GDScript* May 2022 – Sept 2022

- Procedurally generated** levels with varied shapes, platforms, pathways, enemies, collectables, and decor.
- Made use of physics bodies and the **A* pathfinding algorithm** to randomize dungeon for replayability.
- Optimized full generation** to enable over 100 room completions in under 4 seconds.

Pathfinder Ranger | Girl Guides of Canada, Oshawa, ON Sept 2015 – Sept 2021

- Earned Team Award in 2016, 2017, 2018, and 2019 due to running overnight events with **over 150 attendees**.
- Received the Trailblazer Leadership award through **leading community service projects**, and volunteering.
- Awarded Cookie All Stars in 2016, 2017, 2018, and 2019 for **extensive individual fundraising** of over 1000 boxes.

Education

McMaster University | Bachelor of Science in Computer Science, Hamilton, ON Sept 2021 – Apr 2026

- Deans' Honour List with a **4.0 GPA**.