

# Daniel Kohn

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## SKILLS

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**Languages:** Python, JavaScript, Java, C#, SQL (SQLite and MySql), MongoDB, HTML, CSS

**Frameworks:** Svelte, SvelteKit, Node.js, Flask, Django, Bootstrap CSS, Bulma CSS

**Developer Tools:** Linux (Arch and Ubuntu), Bash, Vim, VS Code, Git, Github


**Human Languages:** English (native), French (native/fluent)

## PROJECTS

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**gitlet**  | *Python, IO, OOP*

- Built a python tool that mimics several of git's local features including commit, checkout, and merge
- Implemented code for efficient storage, modification, and retrieval of code repository data, modelling it using a directed acyclic graph
- Designed the project independently using UC Berkeley's course CS 61B for information on git's internal functionality and the exact behavior of each command

**linktree clone**  | *Svelte, SvelteKit, Node.js, MongoDB, BulmaCSS*

- Built a clone of the popular site linktree that allows users to generate a custom site that contains links to their social media sites
- Leveraged Svelte, Svelte DnD, and Bulma CSS to build an interactive front-end
- Stored user data and information in a MongoDB database
- Implemented a session based authentication system from scratch using bcrypt to salt and hash user passwords

**Chat Application**  | *Python, Django, WebSockets, Javascript, SQLite, Bootstrap CSS*

- Developed a full-stack chat application with the Django framework
- Utilized the Django-Channels library to create a WebSocket connection to allow users to send and receive messages and notifications in realtime
- Stored user data and messages in a SQLite database with help from Django data models

**Other:** Chemistry Elements Quiz , dotfiles 

## WORK EXPERIENCE

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**Lifeguard**

*Viking Pool*

Pointe-Claire, QC

*June-August 2021-2023*

- Taught swimming lessons to people aged 4-15 and worked in a team to coach the pool's dive team that placed 1<sup>st</sup> in both the regular season and finals
- Worked with fellow lifeguards to ensure the safety of swimmers and maintain the pool facility

## EDUCATION

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**University of Waterloo**

*Candidate Bachelor of Computer Science (90.6% Cumulative Average)*

Waterloo, ON

*2023 – 2028*

**Vanier College**

*Incomplete - DEC in Computer Science and Mathematics*

Montreal, QC

*2022 – 2023*

**Other Interests:** Competed in diving for 6 years all over Quebec. Solved Rubik's cubes competitively, averaging around 13 seconds per solve. Has been downhill skiing since the age of 4. Plays trombone and was a member of the Quebec Youth Wind Ensemble. Loves listening to jazz music.