

Daniel Kohn

dmkohn@uwaterloo.ca | [linkedin.com/in/daniel-kohn-925616262/](https://www.linkedin.com/in/daniel-kohn-925616262/) | github.com/DanielKohn1208
danielkohn1208.github.io

PROJECTS

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

SKILLS

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

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

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

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

WORK EXPERIENCE

Lifeguard

Pointe-Claire, QC

Viking Pool

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 1st in both the regular season and finals
- Worked with fellow lifeguards to ensure the safety of swimmers and maintain the pool facility

EDUCATION

University of Waterloo

Waterloo, ON

Candidate Bachelor's of Computer Science (90.6% Cumulative Average)

2023 – 2028

Vanier College

Montreal, QC

Incomplete - DEC in Computer Science and Mathematics

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.