






David Khazzam

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Skills

Programming Languages: C, Python, HTML, JavaScript, SPARQL, Java, R, Scheme (Racket), CSS

Tools and Technologies: Git, D3, Bash

Languages: Fluent in English, French and Spanish, spoken and written, full professional proficiency

Projects

Bit by Bit

- Won 10,000\$ worth of mentorship and support provided by the Centre for Innovation at Algonquin College, a prize awarded at the Hacking Health Ottawa Hackathon
- Designed an app to help recovering patients track their fitness, as well as connect with other patients
- Used HTML, CSS, React and Node.js to build the app, and used a Fitbit API to fetch the data

Optimo – <https://dakadabra.github.io/Optimo/>

- Won Best Pitch at StarterHacks 2019, a Major League hackathon with over 500 participants
- Collaborated on Git to create a web app that analyzes and determines a user's eye vision
- Implemented voice recognition software using Web Speech API in addition to HTML, JavaScript, and CSS to allow a website to process and respond to a user's input, as well as dynamically adjust to varying screen-sizes
- Incorporated accurate optometric research to improve the algorithm's correctness

Personal Website – davidkhazzam.com

- Built a website from scratch using HTML, CSS, JavaScript

Experience

Knowledge Graph Developer – Agriculture and Agri-Foods Canada, Ottawa

2019

- Created Python scripts, SPARQL queries, and used R and D3 to query and visualize botanical data
- Collaborated by creating knowledge graphs to implement a botanical database

Office Manager – Math Society, University of Waterloo

2018-2019

- Managed the day-to-day operations of the office, provided information and service guidance to all undergraduate students in the Math faculty

Destination Imagination - Won 1st place in the Provincial Competition

2015-2017

- Solved STEM-based challenges quickly and effectively with problem-solving and teamwork skills

Teacher's Assistant - Temple Israel Religious School

2016-2018

- Mentored one-on-one with a special needs child to significantly strengthen her communication and social skills

Camp Counsellor – Camp Nominigue

2017-2018

- Lead nature-focused activities and team competitions for 8 to 15 year-old youth
- Received "Exceeds Expectations" or "Exemplary" performance reviews for all responsibilities

Education

University of Waterloo, Waterloo, Ontario

2018 – Present

- Candidate for Bachelor of Honours Computer Science (GPA: 3.8s)
- President's Scholarship of Distinction (>95% entrance average)

Ashbury College, Ottawa, Ontario

2015 – 2017

- International Baccalaureate Diploma

Hobbies & Extracurriculars

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|---|--------------------------------|--------------------|---------------------|
| - Varsity Quidditch Athlete & Executive | - Math Society Event Organizer | - Blockchain club | - Intramural soccer |
| - ACE (a cappella group) | - Dance Club | - Space Club | - Hillel |
| | | - Piano and guitar | - Intramural hockey |