

DAVID KHAZZAM

Software Developer

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PROJECTS

Bit by bit

Hacking Health Ottawa

June 2019 Ottawa, Ontario

- Won 10,000\$ worth of mentorship and support provided by the Centre for Innovation at Algonquin College
- Designed an app to help recovering patients track their fitness, as well as to 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

StarterHacks

Jan 2019 Waterloo, Ontario

- 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, achieving 96% accuracy.

EXPERIENCE

Knowledge Graph Developer

Agriculture and Agri-Food Canada

April 2019-August 2019 Ottawa, Ontario

- Created Python scripts and SPARQL queries to clean and organize over 20,000 botanical species' data into practical formats
- Created, implemented and stored knowledge graphs in a database on an AWS Metaphactory platform, facilitating user interactivity
- Built interactive visualizations using R and D3.js, enabling botanists to develop new insights and understandings of plant species

Office Manager

Math Society, University of Waterloo

Sept 2018 - present Waterloo, Ontario

- Managed the day-to-day operations of the office, provided information and service guidance to 7000+ undergraduate students in the Math faculty

Won 1st place in the Provincial Competition

Destination Imagination

2015-2017 Toronto, Ontario

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

SKILLS

Programming Languages

C Python C++ JavaScript R
SPARQL Java Scheme (Racket)

Tools and Technologies

Git D3.js Bash Unix/Linux
AWS HTML CSS Shiny

EDUCATION

Candidate for Bachelor of Honours Computer Science

University of Waterloo

2018 - present

- President's Scholarship of Distinction (>95% entrance average)
- GPA: 3.81/4.0

International Baccalaureate Diploma

Ashbury College

2015-2017

RELEVANT COURSES

- Object-Oriented Software Development
- Logic and Computation
- Elementary Algorithm Design and Data Abstraction
- Designing Functional Programs

LANGUAGES

English
French
Spanish



HOBBIES & EXTRACURRICULARS

- Varsity Quidditch Athlete & Executive
- Acapella
- Math Society Office Manager
- Strategy games