

# DAVID KHAZZAM

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## EXPERIENCE

### Google

#### Software Developer Intern

May 2021 - Aug 2021

- Completed end-to-end design of a **Go** tool that provided key performance metrics when run over **hundreds of thousands** of migration runs across the **entirety of Google's codebase**
- Took initiative to incorporate new technologies into team workflow, increasing tool's impact
- Made an **immediate** impact on the Core team's work, providing insight to influence **key** business decisions

### Kinaxis

#### Algorithms Developer

Sep 2020 - Dec 2020

- Revamped a **C++** tool to detect and display **70+ supply-chain inefficiencies** in a user-friendly format, providing new avenues for resolving key problems
- Leveraged **NLP** and **Flask** to scrape social media, using interactive **Plotly** visualizations to display the effects of public sentiment on future demand

#### Web Application Developer

Jan 2020 - May 2020

- **Finalist** for the University of Waterloo's Co-op Student of the Year
- Built **30+** reusable and responsive **React components**, leveraging Redux
- Practiced **test-driven development**, improving test coverage to over **97%**

### Agriculture and Agri-Food Canada

#### Knowledge Graph Developer

Apr 2019 - Aug 2019

- Created **Python** scripts to clean and organize **over 20,000 botanical species' data** into practical formats
- Used **Machine Learning** and **Data Mining** to identify new correlations

## PROJECTS

### Optimo Vision Analyzer

#### StarterHacks | 1st Place, over 500 participants

Jan 2019

- Implemented **voice recognition** software using a **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 to **dynamically adjust to varying screen-sizes**

### Bit by Bit

#### Hacking Health Ottawa | 1st Place, over 100 participants

Jun 2019

- Won **\$10,000** of support from the **Algonquin College Centre for Innovation**
- Collaborated to design an app to **help recovering patients track their fitness**

## SKILLS

#### Programming Languages

C++

Go

Python

React & Redux

TypeScript

C

JavaScript

#### Tools and Technologies

Git

Jest & Jasmine

Bash

Unix/Linux

MIPS

HTML

CSS

## EDUCATION

### Bachelor of Honours Computer Science

#### University of Waterloo (GPA: 3.9/4.0)

2018 - 2023

- President's Scholarship of Distinction (**97.3%** entrance average)

## HOBBIES & EXTRACURRICULARS

🏑 Varsity Quidditch Captain

🎵 Acapella

🎲 Strategy games aficionado

➕ Math Society Office Manager