

# Amol Venkataraman

Computer Science @ University of Waterloo  
Looking for Summer 2023 Co-ops

+1 (647) 562 4178

[amolven16@gmail.com](mailto:amolven16@gmail.com)

[LinkedIn](#)

[Website](#)

## EXPERIENCE

### University of Waterloo, Web Developer Intern

SEP 2022 - PRESENT

Worked on the website for Rhetoricon DB, Coded UI elements in React and populated them with data from a Go server.

### Asserted Knowledge, Minecraft Mod Developer

JUL 2022 - AUG 2022

Created a Minecraft mod that helps students learn electronics.

### Nokia, Future Tech Intern

JUL 2021 - AUG 2021

Wrote programs in Python and Javascript to automate the testing of the Network Services Platform, modified older code to make it run 3 times faster, and wrote a program to graph the requests sent to the server.

### Tilda Research, Part-Time Intern

JAN 2021 - JUL 2021

Added smart filter-based search for their patient management system, helped migrate their database. Improved the UI to make it faster and cleaner looking, and fixed some errors related to duplicate database entries.

## EDUCATION

### University of Waterloo, Bachelor — Computer Science

2022 - 2027

3.8 GPA, Currently in 1B term, looking for Summer 2023 co-ops.

### Sir John A. Macdonald CI., High School Diploma

2018 - 2022

Grade 12 average of 98%, President of Coding Club and Math Club.

## PROJECTS

### Docket

Web-based calendar app that helps students manage their time.  
[Python, Django, Nginx, Postgres, Bootstrap]

### Pikpic

Self-hosted photo gallery app with AI search capabilities.  
[Python, Flask, Tensorflow, Keras]

### Singularity

A script that downloads content from Google Classroom and Brightspace.  
[Python, REST APIs]

### VidScribe

A video player that lets you take notes while watching videos.  
[Python, Flask, JS Libraries]

### AirGesture

A gesture recognition system that can run on regular webcams.  
[Python, OpenCV, MediaPipe, TensorFlow]

## SKILLS

Computer Science  
Machine Learning  
Data Science  
Computer Vision  
Web Development  
Technical Support  
System Administration  
Software Testing  
Linux  
Arduino  
Raspberry Pi  
Math  
Physics

## LANGUAGES

Python  
Java  
C / C++  
HTML / CSS / JS  
Ruby  
Racket

## LIBRARIES AND TECHNOLOGIES

OpenCV, Keras, Numpy, Pandas,  
Scikit-Learn, Matplotlib,  
TensorFlow, Django, Flask,  
FastAPI, Rails, Node.JS,  
Bootstrap, React, Nginx,  
Postgres, Redis, SQLite, Linux, Git

## CERTIFICATIONS

CS50 Introduction to Computer Science  
CS50 Web Programming Professional Certificate  
CS50 Artificial Intelligence Professional Certificate  
Google IT Support Certification  
DeepLearning.ai Specialization  
Cisco IT Essentials Certification  
Applied Data Science with Python Specialization  
Introduction to Linux  
Learning Physics Through Simple Experiments