Amol Venkataraman

Computer Science @ University of Waterloo
Looking for co-op placement for the Summer 2023 term.

+1 (647) 562 4178

amolven16@gmail.com

LinkedIn

Website

EXPERIENCE

University of Waterloo, *Web Developer Intern*

OCT 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-op.

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