

Trevor Kollins

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LINKS

Website: [Website](#)
LinkedIn: [Trevor Kollins](#)
Github: [tdkollins](#)

SKILLS

PROFICIENT

Python

Flexbox

JavaScript

HTML

CSS

C++

C

EXPERIENCED

C#

React

Jira

Shell

Jenkins

FAMILIAR

Firebase

Flask

Matlab

pandas

Express.js

Lua

EDUCATION

UNIVERSITY OF WATERLOO

BS COMPUTER SCIENCE

Expected Apr 2023
Cum. GPA: 3.9

COURSEWORK

- OOP Principles
- Data Structures
- Algorithms
- Linux Terminal
- SE Design Patterns
- Functional Programming

EXPERIENCE

FORD MOTOR COMPANY | TEST AUTOMATION

May 2019 – Aug 2019 | Waterloo, ON

- Scripted new **Python** driven **test automation** tools to run on Jenkins instances.
- Saved upwards to 3 hours a day on test failure identification through log parsing and **pattern recognition** scripts.
- Utilized the **SonarQube API** to revise how existing test data scrapper tools stored output, saving **over an hour of manual work a week**.
- Isolated and identified recurring issues within the test automation system, resulting in fixes which **increased the overall workflow** of developers.

LET'S-A-GAME CHARITY EVENTS | DIRECTOR & TEAM LEADER

Nov 2016 – Present

- Directed 7 online charity fundraisers in support of several charities.
- Managed a team of 24 people in events ranging from 72 - 120 hours.
- Responsible for the building any software needed, including crafting the end-user experience with the **Luma Donation Notification System**.

PROJECTS

GARBADOOR | YHACK - WINNER (BEST USE OF GOOGLE CLOUD)

Oct 2019 Yale University | JavaScript, HTML

- Awarded "**Best Use of Google Cloud**" by Google out of over **1000** hackers.
- Built a self-sorting garbage can using the **Google Vision machine learning** model, an **Arduino** micro-controller, and a comprehensive **firebase database**.
- Used the **Google Maps API** to pose real-time city maintenance solutions with the through automated garbage collection statistics.
- Integrated a responsive UI through **React**, **Python** scripts, and a **Flask backend**.

LUMA DONATION NOTIFICATION SYSTEM

July 2019 - Present | HTML, CSS, JavaScript, Python

- Designed a real-time donation notification application for online fundraisers.
- Utilized the **Socket.IO Python** and **JavaScript** libraries to construct an interactive, event-driven, **asynchronous** user experience.
- Employed **Tiltify's API** to receive live fundraiser updates.
- Constructed a **comprehensive dashboard** to push new event information.
- **Facilitated over \$1630** in donations towards charitable causes.

COOKING WITH FRIENDS - HOLOGRAM COOKING | MHACKS

Oct 2019 University of Michigan | HTML, CSS, JavaScript, React, Express

- Created an **augmented** cooking simulator using **hologram projections**.
- Responsible for **front-end** development and animation using **React.js**.
- Integrated **Voiceflow API** with **Express.js** to handle real-time requests from clients.

FOOTPRINT | STARTER HACKS

Jan 2019 University of Waterloo | JavaScript, HTML

- Developed a collection of applications for KidsAbility to ensure the safety of employees and clients inside the workplace.
- Worked primarily on **backend**, interconnecting **Firebase** to Amazon's **Alexa**, an **Android** app and a website application.