

Trevor Kollins

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HYPERLINKS

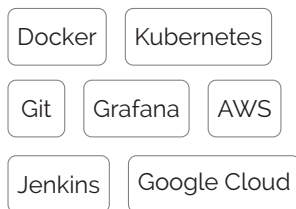
Website: [TrevorKollins](#)
LinkedIn: [Trevor Kollins](#)
GitHub: [tdkollins](#)
Devpost: [tdkollin](#)

SKILLS

LANGUAGES



TOOLS



FRAMEWORKS



EDUCATION

UNIVERSITY OF WATERLOO

BS COMPUTER SCIENCE

Expected Apr 2023
Cum. GPA: 3.9

COURSEWORK

- OOP Principles
- Data Structures
- Algorithms
- SE Design Patterns
- Operating Systems
- User Interfaces
- Databases
- Machine Learning

EXPERIENCE

PRONTI AI INC | BACKEND

Jan 2021 – Apr 2021 | Kitchener, ON

- Created multiple Flask RESTful and GraphQL based API microservices from scratch, interfacing with PostgreSQL and SQLAlchemy to provide core app functionality.
- Overhauled all Kubernetes clusters in preparation for the startup launch, adding Grafana support, vast security improvements, and cluster recovery shell scripts.
- Interfaced with multiple AWS services, including S3, ECR, EC2, CloudFormation, EKS and IAM for project management, and Cogntio and SES for user authentication.
- Spearheaded database schema and API designs for several microservices.

WISH (CONTEXTLOGIC) | INFRASTRUCTURE

May 2020 – Aug 2020 | San Francisco, CA

- Utilized Flask to design and implement core features in RESTful API requests, interfacing with AWS DynamoDB to store, retrieve, and update incoming data.
- Refined and maintained GitLab continuous integration pipelines, empowering hundreds of engineers to build, test, and deliver their changes with ease.
- Created and deployed microservice templates with the use of Docker, Kubernetes, and Python, streamlining new additions to the existing microservice architecture.
- Wrote hundreds of automated tests to ensure the quality of script and API changes.

FORD MOTOR COMPANY | TEST AUTOMATION

May 2019 – Aug 2019 | Waterloo, ON

- Scripted new Python driven test automation tools to run on Jenkins instances.
- Saved 3 hours a day on test failure identification through 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.

PROJECTS

SPRITE-IFY | SACHACKS - WINNER (BEST USE OF GOOGLE CLOUD)

Feb 2021 Sacramento (Online) | [OpenCV](#) • [Python](#)

- Awarded "Best Use of Google Cloud" by leveraging Google Cloud's speech to text and natural language to automatically create comedic cartoon videos from MP3 files.

IPA PLUS | TREEHACKS

Feb 2020 Stanford University | [React](#) • [Django](#) • [SQLite](#) • [CSS](#) • [Javascript](#) • [Python](#)

- Created a React user interface to build a visual English pronunciation aid application.
- Powered the application using a SQLite database interfacing with a Django backend.

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

Oct 2019 Yale University | [React](#) • [Flask](#) • [Firebase](#) • [CSS](#) • [JavaScript](#) • [Python](#)

- 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.
- Integrated a responsive UI through React, Python scripts, and a Flask backend.

LUMA DONATION NOTIFICATION SYSTEM

July 2019 - Present | [Socket.IO](#) • [HTML](#) • [CSS](#) • [JavaScript](#) • [Python](#)

- Utilized the Socket.IO Python and JavaScript libraries with Tiltify's API to construct an interactive and event-driven asynchronous user dashboard for online fundraisers.
- Facilitated over \$2935 in donations towards charitable causes.