

Kevin Ding

2A COMPUTER SCIENCE AND BUSINESS STUDENT

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Skills

Languages Python, JavaScript, C, Racket

Frameworks Django, Node.js/Express.js, React/ReactDOM, Bootstrap, jQuery

Tools/Technologies SQL, MongoDB, HTML/CSS, Selenium, XPath, Git, Heroku, JIRA

Projects

DriveTest Openings

[source code](#)

Content aggregation web application built with the **MERN** stack

Aug 2020 - Present

- Developed the back end with **Node.js/Express**, interacting with a **MongoDB** database using **Mongoose**
- Designed the front end with **React**, implementing client side filtering and sorting features
- Created an alternative lightweight front end using the **Pug** template engine to improve accessibility
- Wrote a Python script to scrape data from drivetest.ca, and used **PyMongo** to insert the data into a **MongoDB Atlas** database

Panchiraino

[source code](#)

Web based punchline guessing game

Jul 2020 - Present

- Built the back end using **Python/Django**, working with **SQLite** in development, and **PostgreSQL** in production
- Used sessions framework to support anonymous users
- Implemented account creation/authentication, as well as joke create, update, delete functionality
- Styled the front end with **HTML/CSS/Bootstrap/jQuery**
- Used **nlTK** and **FuzzyWuzzy** to determine semantic similarity between the expected punchline and the player's guess
- Wrote a Python script to load Kaggle dataset into the database

VideoRipper

[source code](#)

Fetches and plays back the raw video from a streaming site

Jul 2020 - Present

- Wrote the back end with **Python/Django**
- Used **Selenium WebDriver** to scrape the raw video URL from the specified streaming site, and return it to be displayed in the Django view
- Deployed to **Heroku** using the Chrome and Chromedriver buildpacks

InstaClout

[source code](#)

Instagram bot for gaining real followers

Jul 2019 - Aug 2019

- Wrote a **Python/Selenium** script to automatically follow users based on mutual friends
- Increased account followers by 1500, with an engagement rate of 32%

Experience

SAP Canada Inc.

Waterloo, ON

QUALITY ENGINEERING AUTOMATION DEVELOPER

May 2020 - Aug 2020

- Developed and maintained automated test cases using **Python/Selenium**
- Reviewed automation test results for failures and logged related issues to **JIRA** and the **Quality Management System (QMS)**
- Developed a **Chrome extension** using **HTML/CSS/Javascript** to add additional client side features to QMS, such as table sorting and filtering, speeding up the automation verification process

Education

University of Waterloo and Wilfrid Laurier University

Waterloo, ON

CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE AND BACHELOR OF BUSINESS ADMINISTRATION

Sept 2019 - Present

- Term Dean's Honour List, Fall 2019, Winter 2020 (3.9 cGPA)
- Recipient of the Waterloo County Entrance Scholarship (\$4000) & President's Scholarship (\$2000)