

Kevin Ding

UNIVERSITY OF WATERLOO - 2A COMPUTER SCIENCE

☎ (519) 729 0288 | ✉ k24ding@uwaterloo.ca | 🏠 tacticaltofu.github.io | 📱 tacticaltofu | 🌐 ding-kevin

Skills

Languages Python, JavaScript, HTML/CSS, C, Racket

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

Tools/Technologies SQL, MongoDB, Selenium, Git, JIRA, Heroku

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

Projects

DriveTest Openings

[source code](#)

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

- 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

- 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

- 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

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

Education

University of Waterloo

Waterloo, ON

CANDIDATE FOR BACHELOR OF COMPUTER SCIENCE

Sept 2019 - Present

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