**Muniker Aragon**

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[http://munikerportfolio.com/](http://munikerportfolio.com/%20)  <https://github.com/munikeraragon>

Skills

Web-Development: Django, React,

JavaScript, CSS, HTML.

Web-Servers&Data-bases: Apache,

MySQL, SQLite.

* Advance knowledge in Java,

Python, C, Linux/Unix.

Experience in Digital Systems and ARM Assembly Language.

Knowledge of Data Structures and advance programing techniques.

Education

Bachelor of science, Computer Science Expected: May 2021

Washington State University Vancouver GPA: 3.93

relevant Experience

**ONLINE SHOPPING TRACKING SYSTEM** <http://34.201.145.145/>

Developed an application that allows users to create a personal account where they can store multiple online items they may wish to purchase.

The System oversees changes in the price of the stored items and communicates with the user as soon as a price drop is detected.

This System implements Web-scraping frameworks to parse and retrieve data from web pages.

AUVSI Student unmanned aerial system competition

* Team member of Clark College’s Aerospace Club and participant in AUVSI SUAS competition.
* Developed an Interface application to facilitate the connection and transfer of data between the Competition Server and Ground Control.
* Integrated Google Maps API to display a visual representation of mission flying coordinates.
* Created Python scripts designed to parse and analyze mission files transmitted by the competition server.
* Implemented code that utilized MAVLink messaging protocols to communicate with on board Drone components.

**TIME MANAGEMENT APPLICATION** <http://www.tskcomplete.com/>

Utilized Django Framework to design a Full-Stack web application that allows users to efficiently manage their time.

Configured an Apache Web Server in Google’s cloud AWS to host the web-application.

Implemented relational models and Databases to perform CRUD operations.

Allowed for User profile creation and safe User content storage.

SOftware Security System

Developed a Home Security System able to detect human movements as well as transmit live video feed to a remote proxy.

Wrote C code that utilized I2C bus communication between a raspberry pi and a lux sensor.

Utilized FFmpeg multimedia framework to decode and stream video from an Infrared Vision camera to a remote proxy instance.

ReLEVANT coursework

* Digital Systems and Microprocessors.
* Computer Architecture and Design.
* Fundamentals of Software Engineering.
* Web Server Technology.