Hamza Ehsan

hamza.ehsan@lawrence.edu
Github: hamzaehsan97

Result-oriented software engineering professional with expertise in building secure and scalable applications.

EXPERIENCE

Lawrence University, Appleton — *Software Engineer Intern*

June 2018 - Present

- Created open-source Drupal plugins for 3rd party API integration in PHP.
- Built and implemented API's to provide anonymity to student filled forms and research data.

Titletown Tech, Green Bay — *Software Engineer Intern*

June 2019 - Sep 2019

- Built and integrated a CTC speech recognition module for a VR language learning software using Python.
- Co-engineered a machine learning algorithm with Neil Mix (ex-Director of Eng. Pandora) to classify potentially successful start-ups using R.

QOLOS, Green Bay — *Full-Stack Software Engineer (Remote)*

February 2019 - June 2019

- Led the development of the app that eradicates the need for RFID cards using Flutter, Node.js, MongoDB.
- Integrated 3rd party API's to geofence carwash customers, helping increase revenue for local gas stations.

EDUCATION

Lawrence University, Appleton — *Bachelors of Arts*

Computer Science and Philosophy

August 2016 - November 2020

SELECTED PROJECTS

DroneSeek — *Autonomous Disaster Relief Drone*

- Built an autonomous drone using Python.
- Created a full-stack solution to seek missing people using facial recognition and update rescue services with their locations.

SKILLS

Object-Oriented Design
Network Programming
Database Programming
Cross-Platform Development

AWARDS

1 st – MakeHarvard, Harvard University (2019)

4th – DifferenceMaker, U. of Massachusetts (2019)

2nd – The Pitch, UW – Green Bay (2019)

1st – LuLaunch, Lawrence University (2018)

3rd – MadHacks, UW – Madison (2018)

LANGUAGES

Python
C++
C#
Javascript
C
SQL

Frameworks:

ASP.Net

Django

Express