Karun Kanda

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EDUCATION

Rutgers University - New Brunswick *Expected Grad: May 2022*

B. S. - Computer Science

Relevant Coursework: Data Structures, Introduction to A.I., Principles of Information and Data Management, Internet Technology, Algorithms, Software Methodology, Systems Programming and Computer Graphics

Extracurriculars: Rutgers IEEE VexU Division (Programming Lead)

WORK EXPERIENCE

Cyber-Physical Systems Laboratory **June 2019 - Present**

Research Software Engineer (Part-time) Piscataway, NJ

– Worked on the software end of the laboratory research submarine robot creating python scripts to complete the necessary tasks for the project such as GPS autonomous movement and object detection to spot pollution in any body of water.

– Worked on creating an IoT setup between multiple nodes (multiple Raspberry Pis, Buoys, etc) that can connect together to communicate information to each other in real-time.

– Developed real-time efficient programs to run on low-end hardware such as the Raspberry Pi.

PROJECTS

L.I.C.O.T

– A graphical user interface based on IoT to communicate between multiple nodes underwater in locations where there is pollution.

– Built using LabView and Python.

AI.

– AI, short for Alfred, is a virtual assistant based on the helpful character Alfred from the Batman series that helps you with everyday tasks that a typical voice assistant cannot help you with.

– Built using Python, ElectronJS, NLTK (Python Natural Language Toolkit) and Google Speech Recognition.

PassApp

– A password storage/generator app that uniquely generates a strong secure password based on Huffman tree algorithm.

– Users have the ability to send passwords safely using RSA encryption/decryption algorithm.

– Built using JavaScript and ElectronJS.

SKILLS

Languages: Java, Python, C/C++, HTML, CSS, JavaScript and MatLab.

Frameworks: MongoDB, SQL-mySQL, Tensorflow, OpenCV, ElectronJS, ReactJS, and Flutter.

Tools: AWS Development, Google API, Linux-Debian, Git, PyQt designer, and Labview.

AWARDS

IEEE ComSoc 2019 - 1st   A global research competition that in a team of four we had to present an idea to help the environment.

/kkanda900   GitHub Pages **/Interactive-Resume**   **/kandak900**