Longinus Pun

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Education

University of California, Irvine, Irvine, CA   *June 2021*
B.S. Computer Science, Business Information Management; GPA: 3.55

Coursework

Computer Organization/Operating Systems (ICS 51/ICS 53/CS 143A)
Design and Analysis of Algorithms and Data Structures (CS 161/CS 165), Information Retrieval (CS 121)
Artificial Neural Networks, Machine Learning, and Data Mining (CS 171/CS 175/CS 178)

Technical Skills

Python, C++, C, JavaScript, HTML, SQL, Java, Android: Kotlin and Java, Mathematica
Experience with Numpy, Scikit, Pytorch, Tensorflow, JQuery, Node.js, React.js
Work with Raspberry Pi, Arduino, MakerGear 3D printer with Simplify3D and Fusion360
Excel Linear/Non-linear programming for Management Science and Product Management

Projects

Artificial Intelligence
  State Farm Distracted Driving Classification   *Apr 2020 – Jun 2020*
    Analysis and testing of VGG16 architecture performance on State Farm's
    Distracted Driving competition on Kaggle using PyTorch.
Android
  Reddit Thread Clone   *Mar 2020*
    App mimicking Reddit thread by implementing Google Firebase
Web Development
  Cake Decorator   *Apr 2018*
    Cake decorating game created at LA Hacks with JQuery to gain
    development experience with page updates and interactions
Python
  Columns   *Nov 2017 - Dec 2017*
    Created game of Columns with PyGame for CS 32a
  Textual Connect Four   *Oct 2017 - Nov 2017*
    Created Logic and textual interface for Connect Four to be run in Python
    shell for CS 32a
Robotics
  Remote Control Car   *Jun 2017 - Aug 2017*
    Built plywood car using Python script on Raspberry Pi to connect with a
    corresponding Java Android application via Bluetooth. Used Arduino GPIO to
    control wheel speed and direction using PWM via an H-bridge.

Experience

Jodaiko   *Jun 2020 – Present*
  Creative Director
    Organize and plan practices and performances, develop teaching plans,
    determine song repertoire
AACF   *Apr 2019 – Jun 2020*
  AV/Multimedia
    Manage presentations and audio/visual aspects of weekly meetings
Lollinet Technology   *Jun 2018 - Aug 2019*
  Assist in creation of development tools
    Wrote a C++ driver test code for UART/CLI and 128x64 OLED display with
    I2C to verify and support functionality.
    Created python script as a serial port controller to manage file download
    between to device for audio file testing.
Torrey Pines High School 3D Printing   *Sep 2016 - Jun 2017*
  Set up 3D Printers and Software at School
    Helped 2 teachers (CAD and Calculus) to operate newly acquired
    MakerGear printers and teach 20 students in CAD class to print their own
    designs from Fusion360 through Simplify3D