Longinus Pun

longinuspun@gmail.com | (858) 926-9738 | https://www.linkedin.com/in/longinuspun | https://github.com/Jenjop | https://jenjop.github.io

Education

University of California, Irvine, Irvine, CA — *June 2021*

B.S. Computer Science, Business Information Management; GPA: 3.55

Coursework

Calculus, Linear Algebra, Discrete Mathematics (ICS 6B / 6D), Statistics (ICS 67), Computer Organization (ICS 51), Software Engineering (IN4MATX 43), Python (ICS 32A / 33), C/C++ (ICS 45C / 46 / 53), Design and Analysis of Algorithms (CS 161), SQL (CS 122A), Algorithms and Data Structures (CS 165), Artificial Intelligence (CS 171), Principles of Operating Systems (CS 143A), Information Retrieval (CS 121), Machine Learning and Data Mining (CS 178), Projects in AI (CS 175)

Technical Skills

Python, C++, C, JavaScript, HTML, SQL, Mathematica, Java, Android: Kotlin and Java, Excel Solver
Experience with Numpy, Scipy/Scikit, Tensorflow, Pytorch, JQuery, React.js
Worked with Raspberry Pi, Arduino
Operate MakerGear 3D printer using Simplify3D with Fusion360

Projects

Artificial Intelligence

State Farm Distracted Driving Classification — *Apr 2020 – Jun 2020*

Analysis of performance of VGG16 architecture on State Farm's Distracted Driving competition on Kaggle.

Android

Reddit Thread Clone — *Mar 2020*

Created an app by implementing Google Firebase to mimic a Reddit thread.

Gas Calculator — *Sep 2019 – Dec 2019*

Small app to calculate mileage for cars to learn Kotlin for Android Studio

Web Development

Cake Decorator — *Apr 2018*

Web cake decorating game created at LA Hacks to learn some web development skills including jQuery for page updates and interactions

Python

Columns — *Nov 2017 - Dec 2017*

Created Logic and graphical Interface for Columns with PyGame

Textual Connect Four — *Oct 2017 - Nov 2017*

Created Logic and textual interface for Connect Four to be run in Python shell

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 driver. Used Arduino GPIO to control wheel speed and direction using PWM via an H-bridge.

Mathematica

Image Displacement — *Jan 2017 - Mar 2017*

Created demonstration featuring new functions in Mathematica
Submitted to Wolfram Demonstrations Project

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 PowerPoints 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 with interfaces with UART/CLI and 128x64 OLED display via 12C

Created a python as a serial port controller to manage file download between Windows and Bluetooth device

Torrey Pines High School 3D Printing — *Sep 2016 - Jun 2017*

Set up 3D Printers and Software at School

Helped 2 teachers (CAD and math) to operate newly acquired MakerGear printers and and teach 20 students in CAD class to print their own designs from Fusion360 through Simplify3D