Jim Palomo

Computer Engineer Major · University of Illinois at Chicago

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About Me

Programming C/C++ · Python · JavaScript · Swift
Software/Tools Google & Microsoft Applications · GitHub
Operating Systems Windows · Ubuntu/Linux · Crouton

Experience

Research Internship for Electrical & Computer Engineering — *Chicago, IL*

Intern, Co-Op Aide — *Jun. 2019 - PRESENT*

- Worked on an open-source project called gem5, a simulation platform for computer-system architecture
- Established connections among different CPU chip-sets such as ARM, ARM64, x86 with memory controllers, L1/L2/L3 caches, etc
- Learned about latency, tick rate, buses, slave, master, etc
- Cooperated with an engineering professor and a Ph.D. student
- Gained knowledge on Object-Oriented Programming for Python and C++

Projects

Raspberry Pi Smart Mirror — *Self*

Linux — *May 2019 - PRESENT*

- Developed a raspberry pi smart mirror through Raspbian OS using open-source code via GitHub
- Implemented my Google calendar, cryptocurrency stock tracker, weather API, date & time, etc

Le Tour De France - Racer Data Analysis — *Class*

C Programming — *Apr. 2019 - May 2019*

- Created a program that analyzes GPS data (longitude, latitude, elevation) of several racers
- Displays total, faulty, linked-list data points, total time, max elevation, elevation gained, distance biked, and formatted time

Topographic Map — *Class*

C Programming — *Apr. 2019*

- Program generates a specified topographic elevation map that determines if a user is on top of a hill based on their coordinates
- Progresses with the ability to determine the best route to go up or downhill

Search for Habitable Exoplanets — *Class*

C Programming — *Mar. 2019*

- Using data from the National Academy of Engineering the application finds whether an exoplanet is habitable or inhabitable
- Data represented in categorized text and histogram format

Seating Chart Generator — *Class*

C Programming — *Feb. 2019*

- Constructed a seating chart generator which allows the user to define a set amount of rows and columns
- The number of seats taken is counted for and represented specifically with an ”X”

Self-Built Computer — *Self*

Hardware — *Feb. 2017*

- Hands-on experience with assembling a computer from scratch
- Researched about the architecture of the computer and troubleshoot issues that occurred

Education

University of Illinois at Chicago — *Chicago IL*

B.S. in Computer Engineering — *Aug 2018 - PRESENT*

- Cumulative GPA 4.0