Jim Palomo

Computer Engineering Major · University of Illinois at Chicago

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Education

University of Illinois at Chicago (UIC)

Chicago IL

Bachelor of Science in Computer Engineering

May 2022

- Cumulative GPA: 3.76
- Filipinos In Alliance: Volunteered for Allstate Hot Chocolate Run Fall 2018; Hunger Walk 2019

Experience

Research Internship for Electrical & Computer Engineering

Chicago, IL

Intern, Co-Op Aide

Jun. 2019 - Aug. 2019

- Developed on an open-source simulation platform for computer system architecture called gem5
- Established connections among different CPU chip-sets such as ARM & x86 with memory controllers, caches, and interconnects
- Communicated with an engineering professor and a Ph.D. student on project deadlines
- Gained knowledge on Object-Oriented Programming for Python and C++

Skills

Programming	C/C++ · Python · JavaScript · Swift
Operating Systems	Windows · Ubuntu/Linux · Crouton
Software/Tools	Git · Shell Script · SSH

Projects

Amazon Autonomous Bot

Self

Python

Jul. 2019

- Programmed a web scraping bot that gathers product information on Amazon including the price
- Updated spreadsheet with data from initial scrape which then sends an email notification automatically

Raspberry Pi Smart Monitor

Self

Linux · JSON · Python

May 2019

- Developed a raspberry pi smart monitor 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

UIC

C Programming

Apr. 2019 - May 2019

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

Topographic Map

UIC

C Programming

Apr. 2019

- Generated a specified elevation map that determines if a user is on top of a hill based on their coordinates
- Developed the ability to determine the best route to go up or downhill by checking the surroundings of a specific point for a 2D array

Seating Chart Generator

UIC

C Programming

Feb. 2019

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

Self-Built Computer

Self

Hardware

Feb. 2017

- Assembled a computer from scratch through hands-on experience
- Researched about the architecture of computers and troubleshoot issues that occurred