

# Jim Palomo

COMPUTER ENGINEERING MAJOR · UNIVERSITY OF ILLINOIS AT CHICAGO

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## Education

### University of Illinois at Chicago

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

- Cumulative GPA 4.0
- Filipinos In Alliance

Chicago, IL

Aug 2018 - May 2020

## Experience

### Research Internship for Electrical & Computer Engineering

INTERN, CO-OP AIDE

Chicago, IL

Jun. 2019 - Aug. 2019

- Worked 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
- Cooperated with an engineering professor and a Ph.D. student
- 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

PYTHON

Self

Jul. 2019

- Programmed a web scraping bot that gathers product information on Amazon including the price autonomously
- After the initial scrape, a spreadsheet is updated with information and an email is sent after completion

### Raspberry Pi Smart Monitor

LINUX · JSON · PYTHON

Self

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

C PROGRAMMING

Class

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

C PROGRAMMING

Class

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

### Seating Chart Generator

C PROGRAMMING

Class

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

HARDWARE

Self

Feb. 2017

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