Justin Mabutas

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Work Experience

Computational Biochemistry & Biophysics Research Lab
Sep 2018 - Dec 2020

System Administrator — Long Beach, CA

- Prepared MATLAB scripts to produce graphs that were included in a JCIM publication.
- Prepared Linux desktops for lab usage by installing: Debian 9, research software, and job-scheduling software.
- Modified Shell, Python, and PHP scripts that monitor hard drive information for all desktops and servers.

Long Beach Unified School District, Lincoln Elementary
Aug 2019 - Dec 2020

College Tech Aide & System Administrator — Long Beach, CA

- Created and maintained a spreadsheet to organize the school's Chromebooks.
- Ensured minimal tech related issues occurred throughout the school by routinely checking device configurations and solving hardware and software issues.
- Maintained the school's website by updating the home page to reflect new events and removing outdated information.

Education

California State University, Long Beach
Aug 2017 - May 2021

B.S. Computer Science — Long Beach, CA

- GPA: 3.4
- Relevant courses: Computer Security Principles, Data Structures and Algorithms, Computer Architecture, Operating Systems, Object Oriented Programming, Mobile App Development, Artificial Intelligence, Database Fundamentals, Distributed Systems, User Interface Design

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Projects

Android Dating Application

- Dating Application with client messaging and detailed date planning module in Android Studio.
- Modern UI Design, Android Jetpack, Google Firebase, Google Sign In API, Yelp API.

Peer-to-Peer File Synchronization Application

- Terminal application for synchronizing files between multiple nodes within a network.
- Python Standard Library including os, sockets, pickle, and threading.

Skills

- Languages: Java, C++, C, HTML5, CSS3, JavaScript, PHP, Python, SQL, JPA
- Experience with: Android Studio, Google Firebase, ReactJS, Unreal Engine, Linux, Windows 10, Git