CHRISTOPHER LIN

3463 Judi Ann Ct   github.com/lin762   lin762@purdue.edu

San Jose, CA 95148   408-800-9515

EDUCATION

Purdue University, West Lafayette, IN   expected Dec 2019

B.S. Computer Science, Concentration: Machine Learning, GPA 3.6

SKILLS

Programming Languages: Python, C++, JavaScript, Java, Swift

Technologies/Frameworks: React, Node.js, Express Angular2, Git, Firebase, MongoDB, Flask, XCode, Tensorflow, Keras

WORK EXPERIENCE

ExaLeap – San Jose, CA   Jun 2018 – Aug 2018

- Wrote scripts in python that cleaned data into consumable data for machine learning models
- Made deep learning models using Tensorflow and Keras that predicted power consumption in large, class A buildings with an error of 0.0023 as well as provided feature selection to pick the most relevant data to use
- Designed and created an app with React native utilizing Node.js, Express, and MongoDB for the backend for a smart building platform that utilizes various IOT devices' APIs to provide analytics for power savings and greater building control

ExaLeap – San Jose, CA   Dec 2017 – Jan 2018

- Created a platform for task-based project management system as well as a life management system using Angular2 for front-end and Flask for the back-end
- Added functionality to create, complete, delete and delegate tasks and functions as a work/life portal

PROJECTS

Price Tracker   April 2018

- Created a price tracking app using Swift with firebase as the backend
- Allows users to view their followed product's price using eBay's API as well as click on a button to go to the purchase page
- Users can look up products that they want on eBay and add the item to their list of followed products

Twitter Client   March 2018

- Implemented an app with similar UI as Twitter using Swift and the Twitter API
- Provided log in functionality through use of OAuth as authentication
- Allowed users to post, like tweets, and retweet as well as view profiles of other users

Internet Relay Chat Server and Client   Dec 2017

- Created a multi-user chat software using C++ with QT as the frontend
- Allowed users to create an account, login, make and join chat rooms, and switch between or leave various chat rooms
- Provided real time messaging capability between all users in a chatroom as well as indication of who entered and left the room

EXTRACURRICULAR ACTIVITIES

Launchpad Mentor   Aug 2018 – Dec 2018

- Provide knowledge and assistance to incoming computer science freshmen in order to help them jump start their college experience as well as get acclimated to the computer science community at Purdue
- Teach and guide freshmen topics in software development and help them complete their own project by the end of the semester

Purdue RoboMaster Club – Computer Vision Team   Aug 2018 – Present

- Performed research towards improving the recognition speed of our robot's computer vision capabilities
- Worked to prepare the team's robots for DJI's annual RoboMaster competition