

# CHRISTOPHER LIN

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## EDUCATION

**Purdue University**, West Lafayette, IN

expected Dec 2019

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

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## SKILLS

**Programming Languages:** Python, C++, JavaScript, Java, R, MATLAB, Swift

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

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## WORK EXPERIENCE

**ExaLeap** – San Jose, CA

Jun 2018 – Aug 2018

- Wrote scripts in python that cleaned data into consumable data for machine learning models to consume
- 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

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## 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

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## 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

**ForEach**

Jan 2018 – Present

- Consulted surrounding organizations in the West Lafayette area and provide them with mobile/web app solutions at no charge
- Saved PUDM 3000 dollars a year by making an app to replace their costly platform for managing attendees at their large events