# PHYO KHINE

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## EDUCATION

**University of California, Berkeley** June 2018 - Current
Bachelor of Arts Computer Science 2021

**CodePath, Android Development** Oct. 2019 - Current
Completion Certificate (In Progress)

**City College of San Francisco** Aug. 2015 - May 2018
Associate Degree Computer Science and Math 2018

## SKILLS

**LANGUAGE:** Python, Java, JavaScipt, C, C++, SQL, Swift, HTML/CSS
**FRAMEWORK:** React.js
**CONCEPTS:** Object Oriented Programming, Data Structures and Algorithm, Mathematical Reasoning, Artificial Intelligence, Optimization, UI/UX

## PROJECTS

Automated Malaria Diagnosis (Android Application) May 2019 - Current
- Application for Android mobile devices that use the machine learning model to detect Malaria parasites
- Utilize: Java, TensorFlow Lite, Sqlite

Project Proposal Manager for YSE's Admins and Officers (Web Application) July 2019 - Current
- Sign In, Sign Up for all the users. The officers will be able to create, edit and view their project proposals while the admins can comment and view all the proposals and manage the users.
- Utilize: React-Redux, Firestore, React-Router

Performance Programming (CS 61C, UC Berkeley) Aug. 2019
- Optimize the code for Convolutional Neural Networks (CNN)
- Make use of data-level parallelism (Single Instruction Multiple Data, SIMD) and thread-level parallelism (Open Multi-Processing, OpenMP) and other manual optimization methods

Bear Maps (CS 61B, UC Berkeley) Mar. 2019 - Apr. 2019
- Implement the logics (K-dimensional Tree and Extrinsic Min Priority Queue) that efficiently determine the nearest route from point A to point B
- The logics serve as a backbone for the most important functionality in the GoogleMap-like setting designed for the area around UC Berkeley campus

Data Structure Project (CS 61B, UC Berkeley) Feb. 2019
- Implement two compound data structures, Array Double-ended Queue and Linked List Double-ended Queue.
- Implement client-level methods that utilize those two data structures

## AWARDS

**Grand Prize**, *AngelHack SiliconValley 2019*
https://www.hackathon.io/127474

## ACTIVITIES

**She Who Codes (City College of San Francisco),** *Co-president (January 2017 - May 2018)*
As a co-president of the club, organized weekly club meeting that sometimes include online coding challenges, and guest speakers event to help students get to learn and experience new things and get to know people who are working in the tech industry.

**Youth Society for Education (Non-Profit Organization),** *Intern , Web development team (January 2019 - Current)*
Gaining a balance of learning and applying in practice, I get to teach myself web developer's tools and frameworks through Udemy courses, sponsored by the organization , and then collaboratively working with other team members, developers, on a project, suited for the organization.