

Ian Philipp

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EXPERIENCE

Muir College Center, La Jolla — Student Manager

SEPTEMBER 2018 - PRESENT

Manage the College Center Assistant team in the Muir College Center. Collaborate with and guide them through their projects and duties. Discuss College Center operations and plans with College Center Director.

Muir College Center, La Jolla — College Center Assistant

SEPTEMBER 2017 - SEPTEMBER 2018

Manage the Muir College Center front desk, interact with and assist customers, arranging the retail space. Revise existing organizational systems to increase efficiency and productivity of other employees.

UCSD Outback Adventures, La Jolla — Wilderness Guide

OCTOBER 2016 - PRESENT

Certified Wilderness Guide responsible for the safety of large groups of people through logistically complex, high stress backcountry adventures.

EDUCATION

University of California, San Diego — B.S. Computer Science

EXPECTED GRADUATION IN DECEMBER 2019

Relevant Coursework: Object Oriented Programming, Algorithm Design and Analysis, Data Structure Design, Computational Theory, Operating System Design, Digital Logic, Interaction Design.

PROJECTS

Mastermind Code Breaking Game — Java

Designed and coded the logic and UI of a digital version of the code-breaking board game Mastermind, using the Swing graphics library. The program generates a code sequence of 6 colors that the user has several chances to crack based on results of their previous attempts.

HONE, UCSD Org Finder — Bootstrap/HTML/CSS/jQuery

<https://iphilipp.github.io/hone> — <https://github.com/iphilipp/hone>

Built a Bootstrap based web app that helps students find orgs based on tags that they save to their profile. Then they can see orgs and events and their information based off those tags.

Autocomplete from Dictionary — C++

When the user passes in a word substring, the program returns the top completions by traversing a Multiway Trie of words and their frequencies, then returning the child nodes with the highest frequencies.

TritonTravel, UCSD Commuter App — Android/Java/SQL

In a 10 person team, built an Android app that scraped UCSD's shuttle database and connected with the San Diego MTS Google Transit API to consolidate routes into one application, while adding features such as saving routes, stops, and navigating using both UCSD shuttles and MTS.

TECHNICAL SKILLS

Java, C, C++

Python, Bash

OCaml, SPARC Assembly

HTML, CSS, Bootstrap

JavaScript, jQuery, React

Alpine Skiing, Backpacking

TECHNICAL TOOLS

Git, Linux, Vim, Sublime, Android Studio, Photoshop, Slack, Windows, MacOS

LANGUAGES

English - Fluent

American Sign Language - Conversational

Spanish - Basic

AWARDS

Eagle Scout - BSA Troop 36, 2014

REFERENCES

Justin Glover - ucsd.edu
- Muir College Center Director

Simon Teale - ucsd.edu
- Outdoor Leadership Coordinator