Sally Yen

Cell Phone: (858) 735 3856
Email: sally.yen@berkeley.edu
Address: 12023 Caneridge Rd, San Diego CA 92128

Education

University of California, Berkeley
- Major: Computer Science
- Expected Graduation Date: May 2019

Relevant Coursework:
- Efficient Algorithms and Intractable Problems
- Data Structures and Advanced Programming
- Discrete Mathematics and Probability Theory
- User Interface Design and Development
- Computational Photography (IP)
- Machine Structures
- Introduction to Databases
- Intro to iOS Development
- OS and Systems Programming
- Artificial Intelligence
- Computer Security (IP)

Work Experience

Workday
Application Development Intern
May 2018 through August 2018
- Implemented a PUT operation and validations for modifying client check-in/check-out events for the Workday Cloud Platform REST API using Xpresso in an Agile environment
- Worked with a partner to make a Slackbot enabling users to create and edit check-in/check-out events using Python, Flask, Google Firebase, Workday API, Slack API, and Ngrok

Cityspan Technologies Inc.
Technical Associate
February 2016 through Present
- Currently working on a Python script to parse custom XML files to export client properties
- Create and add to custom client reports using HTML5, CSS, ASP classic, and VBScript and dynamic SQL suited to the customers' needs and specifications
- Use SQL and Microsoft SQL Server to add new properties to client sites according to requests
- Help train new hires and manage their task flow by giving them assignments suited to their skills

MedImpact Healthcare Systems
Information Technology Intern
June 2015 through August 2015
- Created detailed functional flowcharts of various programs for new hires and business department
- Implemented new C++ design format on programs that handle the approval of drug claims
- Learned about visitor/client pattern while creating new unit tests for drug rules using data proxy

Northrop Grumman
Software Engineer Intern
January 2015 through May 2015
- Created a simple user interface for a camera and learned about coding UDP to connect commands to a payload
- Attended engagement council meetings and provided feedback to proposals
- Self-guided learning of C++

Programming Projects

PintOS
C
February 2018 through May 2018
- Created a priority scheduler and a multi-level feedback scheduler to select threads to run next
- Designed and implemented process commands execute, wait, exit, and halt for PintOS
- Used a write-back clock algorithm to enhance cache read/write and optimize calls to memory

Where To Eat
Swift
November 2017
- Created an iOS app in Xcode to help users narrow down places to eat based on their criteria and then spin a wheel to choose among the narrowed down restaurants
- Utilized YelpAPI Cocoapod for restaurant data and SpinWheelControl Cocoapod for wheel

Berkeley Walk Web App
Python
July 2017
- Attended Hacking for Humanity in SF with a team of three to work on a web app for Berkeley students heading in the same direction to meet at a nearby place and walk home together
- Utilized the Google Maps API to calculate route distances and Firebase to create user accounts and facilitate the addition of a chat feature

Text Editor
Java
February 2016
- Built a basic text editor similar to Notepad from scratch using Java
- Features included word wrap, open and save, scroll bar, font size changing, and shortcut keys
- Used self-designed data structures and researched JavaFX libraries to implement features

Technical Skills

- **Proficient**: Python, Java, SQL, C, HTML5, Swift, Xpresso
- **Familiar**: XSL, XSLFO, VBScript
- **Misc**: Flask, Xcode, Photoshop, Illustrator, MS Visual Studio (2010)

Extracurriculars

- Theta Tau Engineering Fraternity
- Sigma Phi Omega