

# MARIO MILLER

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## EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly)

**Bachelor of Science Degree in Computer Science**

December 20xx

GPA: 3.67

**Relevant Coursework:** Fundamentals of Computer Science III, Introduction to Computer Organization, Statistical Methods for Engineers, Systems Programming, Computer Architecture, Introduction to Data Science, Statistical Computing with R, Mobile Application Development, Design and Analysis of Algorithms

## SKILLS

**Programming Languages:** C, C++, Java, Python, Swift, R, HTML, CSS, Javascript, SQL

**Software Tools:** Xcode, RStudio, Jupyter Notebook, Microsoft Excel, Vim, Git, REST API, JSON

## PROGRAMMING PROJECTS

### YumQuest, iOS App, Mobile App Development Final

Languages and Tools Utilized: Swift, Xcode, Foursquare API, Google Firebase

- Created an iOS application that allows users to rate the individual menu items of nearby restaurants
- Utilized Mapkit and Core Location to obtain app users' current location
- Obtained extensive restaurant and menu data from Foursquare API
- Stored users' ratings on Google Firebase so that the data can be synced with all users in real-time

### Random Advice, iOS App: Personal Project

Languages and Tools Utilized: Swift, Xcode, Advice Slip API

- Created a single view application that gives the user random advice at the press of a button
- Obtained the random advice data as a JSON from the Advice Slip API
- Customized the background of the app to change color each time a new advice is displayed on the screen

### FBI Crime Data Analytics and Visualizations, Web Application, Statistical Computing with R: Team Project

Languages and Tools Utilized: R, RStudio, Shiny

- Built an interactive web application that allows users to observe and interact with FBI crime statistics
- Implemented data interactivity by allowing users to select from a number of visualization tools
- Distributed the project tasks to team members based on their strengths, weaknesses, and interests

### HTTPD, Web Server, Systems Programming Final Programming Assignment

Language Utilized: C

- Built a simple web server that supports a subset of HTTP from the ground up
- Incorporated cgi-like support that allows program to execute on the server and provide output back to user
- Utilized C-based system calls (e.g., fork, exec) and proper resource management of child processes and pointers

## WORK EXPERIENCE

Demonstrated excellent teamwork, time management, customer service, and communication skills through the following employment:

**Driver** - UBER, San Francisco Bay Area (10 to 20 hours/week)

20xx - 20xx

**Busboy** - Lori's Diner, San Francisco, CA (16 hours/week)

20xx - 20xx

## CAMPUS INVOLVEMENT/VOLUNTEER WORK

**Alpha Phi Omega**, Member

March 20xx - Present

- Performed 16 hours of community service for organizations throughout San Luis Obispo