

# Holden Maudlin

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## EDUCATION

### University of Southern California

December 2019

*B.A. in Applied and Computational Mathematics*

GPA: 3.7

*B.S. in Business Administration*

*Minor in Computer Science*

**Honors:** Presidential Scholarship, George Scharffenberger Endowed Scholarship, Dean's Honor List (All Semesters)

**Relevant Coursework:** Data Structure Design, Objected Oriented Programming, Discrete Methods in Computer Science, Robotics, Numerical Methods, Probability Theory, Linear Algebra, Data Analysis, Multivariate Calculus

## EXPERIENCE

### Grant Thornton

Los Angeles, CA

*Automation Intern*

June 2018 – August 2018

- Learned and utilized PowerShell to design, test, and implement a program to fully automate a client's quarterly access reviews, saving the client more than \$400,000 per year
- Identified, documented, and resolved over 40 bugs in more than 3,000 lines of code
- Created and distributed scripts automating six computer tasks, increasing team efficiency by 5%
- Supported a small team with developing a strategy for the pilot phase of the automation business line to present to firm management

### USC Marshall School of Business

Los Angeles, CA

*Student Intern*

July 2017 – December 2018

- Redesigned a weekly newsletter sent to over 5,000 business students, increasing involvement in Marshall events by 10%
- Automated a recording system for students interested in taking full classes, cutting time the Assistant Dean spent managing class sizes by 50%
- Managed the front desk operations for the Undergraduate Programs office, serving as the first point of contact for over 4,000 undergraduate business majors, as well as prospective students, family members, and guests

## PROJECTS

### FIRE Hub Mobile App – React Native

- Developed four financial calculator tools that create interactive graphs based on customizable inputs, including a Monte Carlo simulation to generate 10,000 asset paths to value portfolios for up to 50 years
- Fetched and parsed JSON data based from Reddit, iTunes, and iBooks to display posts, podcasts, and books in real time



### Maud Properties Website – Django

- Designed a responsive, dynamic website for a commercial real estate company allowing user to add properties, photos, and flyers to a backend SQLite database
- Created a Python script to web-scrape property information, then utilized the Google Maps API to reverse geocode and dynamically display over 600 properties in the Los Angeles area



### Sudoku Source Mobile App – React Native

- Designed a recursive backtracking algorithm to solve and dynamically verify user input Sudoku puzzles
- Implemented a hint feature to allow users to select and view answers one puzzle square at a time



## LEADERSHIP

### USC Gamma Sigma Alpha

Los Angeles, CA

*President*

May 2018 – Present

- Designed an advertising campaign and liaised with leaders from student organizations resulting in a 15% increase in membership applications
- Organized four networking events throughout the year for over 100 members and invited guests

### Dig Deep for a Cure

Palos Verdes Estates, CA

*Founder*

August 2016

- Raised and donated over \$5,000 to the Sarcoma Foundation of America through a weeklong campaign
- Created a charity volleyball tournament attended by 500 people in support of a teammate

## SKILLS

**Languages:** C++, JavaScript, Python, Java, HTML, CSS

**Technologies:** Git, React Native, Django, MATLAB, Xcode, Android Studio, Excel, Bash, PowerShell, CSOM, .NET