

John Galdones

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EDUCATION

University of Southern California

B.S. in Computer Science/Business Administration, Viterbi School of Engineering

Los Angeles

Expected December 2020

Major GPA: 3.1/4.0

Relevant Coursework: Introduction to Artificial Intelligence, Software Engineering, Neural Networks and Deep Learning, Introduction to Algorithms and Theory of Computing, Principles of Software Development, Data Structures and Object-Oriented Programming

SKILLS & INTERESTS

Languages: Java (proficient), Python (proficient), C++, HTML, CSS, JavaScript, Swift, SQL

Frameworks/Technologies: Git, Unix/Linux, Relational/Non-relational databases, AJAX, Amazon Web Services, React.js, React Native, JIRA, Confluence, Slack, Cucumber, Junit, Selenium

Organizations: Trojan Knights (official hosts of USC and guardians of tradition), SC Solar Car Team, Corpus Callosum

EXPERIENCE

SC Solar Car Team

Los Angeles, CA

Strategy Team Lead

September 2019 – Present

- Lead and manage a team of programmers to create a solar-powered car's driver display, including important metrics needed by the driver.
- Program in Python with PyQt5 for GUI implementation.

Phyn LLC

Torrance, CA

Cloud Engineering Intern

May 2019 – August 2019

- Created an AWS Lambda function that corrects any incomplete customer information stored in Phyn's database of 1000+ customers using Python programming and Google Maps Geolocation API.
- Designed an API endpoint for over 300+ Shopify orders using AWS tools (API Gateway, Lambda, DynamoDB) and Python programming to store customers' information in an efficient manner and allows for easy accessibility.
- Utilized AWS Redshift to analyze and clearly visualize vital metrics of 1000+ customers' Phyn Plus devices to assist in Phyn's development and expansions.

Phyn LLC

Torrance, CA

Quality Assurance Engineer Intern

May 2018 – August 2018

- Improved the company's QA process by assisting in its transition to become fully automated with Python-script programming.
- Utilized end-to-end testing of 5+ mobile app and Phyn Plus firmware versions to be pushed to production for public use.
- Used proper software development documentation and task management with JIRA and Confluence to ensure transparency among developers, testers, and management.

Ranger Woodland Tutoring

Rolling Hills Estates, CA

Math/Computer Science Tutor

August 2015 – May 2017

- Privately tutored over 10 students in all levels of mathematics and AP Computer Science (Java).
- Developed and implemented individual study plans based on each student's schedules and goals.
- Successfully raised all students' grades by at least one letter grade ($\geq 10\%$).

TECHNICAL PROJECTS

On My Way

January 2019 – March 2019

React Native, MongoDB, Node.js

- Developing a mobile application that allows students to post and find carpooling routes with other local students.
- Utilizing MongoDB to store customer and posted rides info.

WeatherMeister

January 2019 – March 2019

Java, HTML, CSS, JavaScript, SQL

- Created a web appl that allows users to retrieve any city's current weather metrics using Google Maps and OpenWeatherMaps API's.
- Implemented user account login and registration with JDBC and MySQL.
- Utilized prepared statements to prevent SQL injection attacks.

Scrabble AI

October 2018 – December 2018

C++

- Developed the backend for a multi-player Scrabble game for a class assignment using a trie of 100,000+ words
- Implemented 2 CPU backtracking algorithms, one that places the highest scoring word and another that places the longest word.

Honors and Awards

Boy Scouts of America

Torrance, CA

Eagle Scout (4% of all Boy Scouts)

September 2009 – July 2017

- Patrol Leader of a group of fellow scouts in quadrennial Scouting World Jamboree in Japan (a two-week event during which scouts from all over the world congregate and participate in daily events and activities)