

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: 3.33/4.0

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

Software Engineer Intern

ASML

San Diego, CA

June 2020 – Present

Undergraduate Research Assistant

USC Data Science/Parallel Computing Lab

Los Angeles, CA

May 2020 – Present

SC Solar Car Team

Strategy Team Lead

Los Angeles, CA

September 2019 – May 2020

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

Phyn LLC

Cloud Engineering Intern

Torrance, CA

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

Quality Assurance Engineer Intern

Torrance, CA

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.

TECHNICAL PROJECTS

On My Way

React Native, MongoDB, Node.js

December 2019 – Present

- 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

Java, HTML, CSS, JavaScript, SQL

January 2019 – March 2019

- Created a web app 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

C++

October 2018 – December 2018

- 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

Eagle Scout (4% of all Boy Scouts)

Torrance, CA

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)