

Salvador Villalon

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EDUCATION

University of California, Irvine | Donald Bren School of Information and Computer Science
Bachelor of Science, Computer Science

Irvine, CA
June 2020

SKILLS & LANGUAGES

Programming: Java, Python, Groovy, C++

Frameworks & Web: HTML, CSS, Bootstrap, Flask, Spring Boot, Spock

Databases: MySQL

Tools: Git/GitHub/Bitbucket, IntelliJ, Atom, Docker, Google App Engine

Spoken Languages: Spanish (Fluent)

RELEVANT EXPERIENCE

JPMorgan Chase & Co (JPMC) | Chicago, IL

June 2019 – August 2019

Software Engineer Intern

- Built and deployed a full-stack web application with a team of interns using React, Groovy, and Spring Boot to remove a manual process for updating client customer configurations
- Led the design and implementation of the web application's backend and built its communication using Rest Templates with the frontend and internal JPMC APIs
- Developed a process to mount the React frontend to run inside a Spring Boot application for JPMC server environments
- Researched and integrated JPMC's internal OAuth into the web application to authenticate and authorize application users
- Created unit tests for backend functionalities using Spock and Groovy

S&P Dow Jones Indices (SPDJI) | New York, NY

June 2018 – August 2018

Software Development Intern

- Designed functionality that allows users to remove documents on internal tool by building a RESTful Java client that connects to third party vendor API to accomplish task
- Leveraged fluency in Spanish to collaborate with SPDJI Mexico City office to create RESTful client
- Researched and developed a web application using Flask, deployed using Google App Engine, and ran inside a Docker Container. Link: <http://spgi2018-container-project.appspot.com/>
- Created a tutorial for company employees and freeCodeCamp Medium subscribers on how to create a web application using Flask and deploy it using Google App Engine. Link: <http://bit.ly/salvador-tutorial>
- Implemented Natural Language Processing methods such as Tf-Idf, Text Summarizing, Word Ranking on company blogs by using Python and Open Source libraries: Gensim, NLTK, TextBlob

UCI Administrative Intern Program (AIP) | Irvine, CA

September 2017 – January 2018

Web Developer Intern

- Designed and developed a web application for students to apply for the Administrative Intern Program
- Built the Administrative Tools that allows Supervisor and Coordinators to access and review Student Applications. Technologies used for both applications: HTML, CSS, PHP, MySQL. Link: <https://studentlife.uci.edu/adminintern>

PROJECTS

Hackathon – JPMorgan Chase & Co: Code for Good | Chicago, IL

October 2018

- Received **2nd place winner out of 16** competing teams
- Led the project's frontend development by creating a web application using HTML, CSS, Bootstrap, and Django for the Chinese Mutual Aid Association to solve their student enrollment problem and visualize student progress. Link: <http://bit.ly/CodeForGood-Team15>

LEADERSHIP EXPERIENCE

Society of Hispanic Professional Engineers at UC Irvine (SHPE-UCI) | Irvine, CA

June 2016 – June 2019

Board Positions: **General Member, Secretary, External Vice President, President**

- Led a team of 14 board members to plan, organize, and execute SHPE-UCI's fiscal 2018-2019 year
- Received 12 awards by the University of California, Irvine and SHPE National which included "Student Organization of the Year" and "Most Outstanding Student Organization"
- Created a leadership manual for future Presidents which consisted of an organized set of tasks, quarterly goals, and information pertaining to a successful transition into the position
- Restructured the organization by: creating new positions, logo, and organizational chart; updating ByLaws from 1999; implementing new processes and procedures to make SHPE-UCI more scalable