Salvador Villalon

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EDUCATION

University of California, Irvine | Donald Bren School of Information and Computer Science　　　Irvine, CA
Bachelor of Science, Computer Science　　　June 2020

SKILLS & LANGUAGES

Programming: Java, Python, Groovy, C++
Frameworks & Web: HTML, CSS, Bootstrap, Flask, React, 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 all 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, Work Ranking on company blogs by using Python and Open Source libraries: Gensim, NLTK, TextBlob
- Designed a mockup to update the Campus Recruiting Student Resources website. Link: http://bit.ly/mockup-campus

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

Tutorial – **How to Build a Web Application Using Flask and Deploy it to the Cloud** | New York, NY　　　August 2018
- Created a tutorial on how to use Python, Flask, and Google App Engine to create a web application and deploy it to the cloud. It currently has 1767+ likes. Link: http://bit.ly/salvador-tutorial

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