

CHRISTIAN LOPEZ-FARNES

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EDUCATION

BS, Computer Engineering, San Jose State University (SJSU)

June 2019

Leadership & Awards: Latinos In Technology Scholarship recipient 2016 - 2018, Hispanic Scholarship Fund Recipient 2019, Dean's List Evergreen Valley College 2015 – 2016.

SKILLS

Languages: Python, SQL, Java, C/C++, Bash, Javascript, HTML, CSS.

Tools: Docker, AWS, GCP, Git, GitHub, IntelliJ, Eclipse, Jira.

Frameworks: Kubernetes, Tensorflow, Keras, Apache Spark, Apache Hive, Apache NiFi, Apache MiNiFi, Apache Kafka, Free RTOS, Apache Zeppelin, Hortonworks Hadoop Distribution.

WORK EXPERIENCE

Technical Marketing Engr.

Cloudera, Santa Clara

May 2018 – Present

- Contributed to 44 Big Data tutorials and three videos to communicate and demonstrates features of Big Data technologies for an annual user base of 900,000+ <https://www.cloudera.com/tutorials.html>.
- Debugged and committed solutions to over 50 issues on Hortonworks HDP and HDF Sandbox www.cloudera.com/downloads/hortonworks-sandbox.html.
- Developed Self-Driving car demo and enabled SE organization to use it on customer presentations <https://github.com/LopezChris/Autonomous-Car>.

Data Structures Lab Instructor

SJSU, San Jose

Jan 2018 – June 2018

- Demonstrated and reviewed the implementation of Stacks, Queues, Linked-lists, Binary search trees, Heaps, and Hashing.
- Created, administered, and evaluated 4 new exams for CMPE 126 at SJSU.
- Provided technical support to 35 Jr. Computer Engineering students.

Lead Intern, IT Tier II

Citrix, Santa Clara

May 2017 – June 2018

- Managed computer systems and networks in a cloud and virtualization Environment for 800 users in Western U.S.
- Developed technical reports of incidents and major incidents for internal documentation shared globally for XenApp and XenDesktop.

PROJECTS

Edge2AI Autonomous Vehicle

Team of 2

Cloudera

Summer 2019

- Implemented a data pipeline for a miniature self-driving car using Apache NiFi, Apache MiNiFi, Cloudera DataFlow, and Cloudera Distribution Hadoop on AWS.
- Partnered with the sales engineering team to enable this project to become official Cloudera internal certification and customer-facing demo.

Project Pisces

Team of 4

San Jose State University

Fall 2018

- Collaborated with IBM Research and SBCCC to develop an intelligent drone with Machine Learning to identify endangered fish species in San Jose.
- Acted as Financial Officer for the project handling a budget of \$5,000.
- Developed and tuned Deep Learning model using TensorFlow which identified endangered species with 80% accuracy.
- Coordinated communications and planning between SJSU, IBM, and SBCCC.

Autocorrection Dictionary

Team of 3

San Jose State University

Fall 2017

- Implemented hybrid data structure capable of identifying incorrectly spelled words and provide suggestions for spelling mistakes.
- Reduced memory used by the program by 80% by using AGILE methodology.
- Directly responsible for research of data structures and technical documentation.

VOLUNTEER EXPERIENCE

Lab Assistant, MH Observatory

Evergreen Valley College

May 2015 – Present

- Used technical Astronomy knowledge to instruct over 200 nightly attendees of astronomical events at Evergreen Valley College.