

## Paolo D. Secci

<https://paolosecci.herokuapp.com>

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### EDUCATION

**University of Southern California** ..... 2018  
Viterbi School of Engineering – Data Analytics Bootcamp Los Angeles, CA  
Graduated from the robust analytics program with advanced coverage of SQL Databases, Machine Learning, Tableau, Statistical Modeling, Big Data Analysis with Apache Spark, API Systems Architecture, Advanced Excel with VBA Scripting, Data Visualizations, and more...

**University of California Merced** ..... 2106–7  
School of Engineering – Computer Science & Engineering Merced, CA  
Expanded computer engineering capacity studying Data Structures in C++, Computer Organization in MIPS Assembly, and Computer Networks in Python, HTML, and nesC. In 2017, I build my first Operating System. I left UCM in December 2017 to pursue career tailored skills in Big Data at USC as opposed to GEs.

### PROFESSIONAL EXPERIENCE

#### AWS Ubuntu 16.04 LTS Instance

System Administrator

- deployed Elastic Cloud Compute (EC2) Instance as admin for users to access Ubuntu server through ssh
- employ Identity and Access Management (IAM) to delegate permissions and accounts to users
- maintain the firewall using UFW to fulfill role of CISO; responsible for cybersecurity of user's private data

#### Artificial Image Processing

Application Engineer

- implemented Keras API over TensorFlow's ML library to train data for Computer Vision and Pattern Recognition
- built on Convolutional Neural Networks for Deep Learning; modeled after neuron networks
- encoded an API system using Flask's Python library; encoded web-compatible user interface using HTML

#### Big Data NLP

Data Analyst

- on 8GB CPU, my program traverses *The Complete Works of William Shakespeare* (37 plays, 154 sonnets, and 5 poems) to count and compare the occurrences of "death" vs. "love" in 7 seconds
- employed S3 buckets and Spark's Resilient Distributed Dataset (RDD) to scale massive data volume
- encoded MapReduce system to apply Natural Language Processing (NLP) of .CSV, .TXT, and .JSON files

### SKILLS

**Languages:** English, Spanish, Italian

Python, SQL, Bash, Swift, C++, Java, R, Visual Basic, Javascript, HTML, MIPS Assembly, nesC

**Programs/** AWS, Apache Spark, MySQL, Excel, Linux, Tableau, Keras, Anaconda, Flask, BeautifulSoup

**Libraries:** Bootstrap, MongoDB, Splinter, Pandas, Leaflet, Mapbox, Zepl

### OTHER EXPERIENCE

#### Actor

Osbrink Talent Agency

North Hollywood, CA

- brands represented: Motorola, Mattel, Gap, Target, Dodge, Takis, Zuru, Chrysler, CDW, Asics, FILA, Land's End, Sport Chalet, Powerade, Sports Authority, Crayola, Kraft, Donna Karan, etc.

#### Lifeguard

Loyola Marymount University, Burns Rec Center

Westchester, CA

- Red Cross CPR & Lifeguard Certified