Ricardo Figueroa

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TECHNICAL SKILLS

- **Proficient:** Python, Flask, Django, Pandas, Numpy, GCP (Kubernetes, SQL, Data Studio), AWS (EC2, Lambda, ELB), Cassandra, Redis, MongoDB, MySQL, PostgreSQL, Docker, Selenium, JavaScript, React, Node.js, TDD, Jest
- **Exposure:** NLP, Machine Learning, Cuda, RabbitMQ, Jenkins, Angular 2+, TensorFlow, Keras, PyTorch, Celery, Hadoop, GraphQL, Java, Scala, R, Apache Kafka, R

WORK EXPERIENCE

ByPrice | Software Engineer | Remote Jun 2019 - Present

- Scaled pricing data of company by 35% by creating 10 web crawlers using Python, PostgreSQL,RabbitMQ, Celery, BeautifulSoup, Jenkins, Kubernetes (GCP), and YAML configuration, reducing deployment time by 75%.
- Optimized time to review pricing data by average of 2 hours per week through creating data analytics tool using Python, Flask, PostgreSQL, and Google Data Studio.
- Landed major customer (+US$40K revenue/yr) by architecting real-time e-commerce monitoring system using Python, Flask, JavaScript, React,PostgreSQL, NGINX, Docker, AWS (Lambda, EC2, S3), and Jenkins.
- Created email alert system for outdated products in database using Python, Flask, SQLAlchemy, Jinja2, and Jenkins, reducing number of outdated products by ~12%.

Multilog Internacional | Software Engineer | Remote | github Jan 2019 - Apr 2019

- Constructed fleet route planning application, DeliverIO, for multiple delivery transports for logistics company (Multilog Internacional) utilizing Python, JavaScript, and React, with Google Maps API integration.
- Developed customer interface for real-time monitoring of fleets using Javascript, React, Webpack, Node.js, and MongoDB with average latency of 255 milliseconds.
- Implemented minimum spanning tree route optimization with multiple clusters by comparing Christophides', Prim's, and Kruksal's algorithms in Python and Google Maps API for projected reduction of 21% of delivery time.

EDUCATION

Master of Science in Computer Science, *ITAM* 2019
Bachelor of Industrial and Systems Engineering, *ITAM* 2014

PROJECT WORK

AES | Machine Learning Engineer | paper | colab Oct 2019 - Feb 2020

Natural language processing (NLP) model and system to assess quality of text (grammar, spelling, ideas, punctuation).

- Researched state-of-the-art NLP publications and technology by reviewing 40 academic papers about RNNs, LSTM, NLP, and transfer learning.
- Led development of comprehensive benchmark of 8 state-of-the art NLP models utilizing Python, Google Colab, TensorFLow, Sklearn, NLTK and Numpy .
- Implemented regression model over BERT, leading to inter-reliability (Quadratic Weighted Kappa) score of 79% over ~70% of best performing comparable state-of-the-art models.

FEC | Software Engineer | github Sep 2018

Shoe e-commerce platform feature for social network posts.

- Crafted UI/UX of social network posts, reviews, and comments in JavaScript, React, and Styled Components.
- Rendered full details of user posts with bundled and minified CSS3 for modular UI/UX with average response rate of 4krps.
- Developed RESTful API using Node.js, Express and database with Redis and Cassandra, deployed to AWS EC2, and containerized application with DockerHub for average latency of 200 milliseconds.
- Limited error rate to less than 1.2% by creating unit and A/B testing using Mocha, Chai, Jest and Puppeteer.

PERSONAL

Native Spanish speaker; crossfit; day trading