EDUARDO CORONADO

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SUMMARY

Accomplished and results-oriented professional with 3+ years of leadership, management and research experience. Proven ability to develop, test, and communicate technical analysis and business insights to drive decisions in fast-paced, hands-on environments.

EDUCATION

DUKE UNIVERSITY DURHAM, NC
M.S. in Statistical Science, **GPA: 3.71/4.00** May 2020

BOSTON UNIVERSITY BOSTON, MA
B.S. in Biomedical Engineering, Nanotechnology Concentration, **GPA: 3.65/4.00** May 2015
Magna Cum Laude; Tau Beta Pi Honor Society

SKILLS

- **Programming:** R, Python, MATLAB, SQL, Docker, Linux, HTML/CSS
- **Platforms:** Git, JIRA (Agile Dev), Tableau, AWS, Alteryx, UiPath, Salesforce
- **Advanced Statistical and Bayesian Modeling:** Regression, Multi-level Models, Decision Trees/Forests, Clustering, Ada Boost, SVM, NN, NLP, MABs, Non-parametric Models, MDS/Manifold Learning, Sampling Methods

PROFESSIONAL EXPERIENCE

PRICEWATERHOUSECOOPERS, LLP **Jun 2019 – Aug 2019**
ADVISORY – FORENSIC TECHNOLOGY INTERN NEW YORK, NY

- Collaborated with team to analyze over 30 Gb of historical customer data to derive customer-segmentation insights and provide recommendations to executives of a top financial services firm
- Built a Random Forest module in R that enhanced the classification and rule extraction performance (>5%) of a financial fraud detection tool that was later presented to 200 employees via a webinar

ARC BIO, LLC **Jan 2018 – Jul 2018**
GLOBAL ASSOCIATE PRODUCT MANAGER CAMBRIDGE, MA

- Co-led a team of five to successfully launch Galileo™ AMR, an antimicrobial resistance detection and classification software, the company's first customer-facing product to generate revenue
- Built and automated the company's BizOps & web-store back-/front-end infrastructure from scratch within a tight deadline (two months); a key milestone for Galileo™ AMR's launch

ARC BIO, LLC **May 2016 – Jan 2018**
ASSOCIATE PRODUCT MANAGER CAMBRIDGE, MA

- Defined the product requirements and managed the development of Galileo™ Pathogen Solution, a novel infectious disease diagnostic aimed at boosting pathogen detection to improve patient outcomes
- Leveraged proprietary analytics engine to analyze antimicrobial genetic data (>50Gb), and presented results to the executive board which created a potential business opportunity

ARC BIO, LLC **Aug 2015 – May 2016**
JUNIOR BIOINFORMATICIAN, FOUNDING SCIENTIST CAMBRIDGE, MA

- Completed first product integration and automation effort to streamline four analytics methods via Python/Shell to completely classify Human genetic data (>600 Gb) in less than 1.5 days
- Developed a suite of Python tools for internal use to expedite pre-processing, classification and validation tasks required to assess the product's performance on >100,000 predictions in less than 2 hours

RESEARCH AND LEADERSHIP EXPERIENCE

HARVARD MEDICAL SCHOOL, Dept. Genetics, Sinclair Lab **Jun 2013 – Jun 2015**
UNDERGRADUATE RESEARCH ASSISTANT, SENIOR CAPSTONE BOSTON, MA

- Automated data wrangling processes and classification of 1000s of genomic records (file sizes >50Gb) with scalable workflows that generated train/test sets 5x faster for use in a ML algorithm
- Developed a MATLAB algorithm that leveraged local alignment (i.e. Smith-Watterman) and Mann-Whitney tests to predict and assess functional regions (95% C.I.) in the Human genome files (>200 Gb)

BOSTON UNIVERSITY VENTURE ACCELERATOR **Oct 2012 – May 2015**
CO-FOUNDER, DIRECTOR OF TECHNOLOGY SERVICES BOSTON, MA

- Co-founded a student-run program that develop over 20 early-stage student ideas into feasible prototypes that later were successfully funded by larger incubator programs such as MassChallenge

PATENTS

Quiroz Zárate, Alejandro. Olivares-Amaya, Roberto. Watson Jr., Thomas J. van Aggelen, Helen C. **Coronado Sroka, Eduardo**. Angulo Sermeño, Carlos A. Fimbres Jurado, Fernando. Solis Garcia-Inda, Abraham. Fontove Herrera, Fernando. 2016. *Systems and methods for genomic analysis*. Filed August 2016.