Eduardo Escoto

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EDUCATION

- **University of California, Santa Barbara** — Santa Barbara, CA
  Bachelor of Science in Mathematical Science and Statistical Science — *September 2017 – June 2020*
    - **Concentration**: Probability and Statistics
    - **Organizations**: Data Science club, Association for Women in Mathematics
    - **Relevant Coursework**: Data Science, Regression Analysis, Stochastic Systems, Real Analysis, Linear Algebra
- **San Diego Miramar College** — San Diego, CA
  Associate of Science in Mathematics and Computer Science — *September 2014 – June 2017*
    - **Organizations**: Phi Theta Kappa Honors Society
    - **Relevant Coursework**: Data Structures, C++, Java, Visual Basic
    - **Accomplishments**: Honors Student, Deans List Scholar, Annual Research Symposium Presenter

EXPERIENCE

- **Starbucks Coffee** — San Diego, CA
  Shift Supervisor and Barista — *June 2013 – Present*
    - **Maintains and Enforces Cleanliness Standards**: I lead the way in store cleanliness in order to maintain a standard of excellence, where my efforts boosted our Q.A.S.A score from a 93% to a 99%
    - **Upholds Drink and Food Standards**: As a certified Coffee and Food Master I bolstered my store's food sales, and led us to win the district food sales competition.
    - **Coffee and Food Master**: Succeeded in the Coffee and Food master certifications and went on to win my district's Barista Championship in 2016, additionally I was the first partner of the quarter at my store.
    - **Maintains Stellar Customer Satisfaction**: I lead a team of world-class baristas to deliver a customer experience like no other. I aim to create a positive, inclusive, and motivating work environment that customers enjoy visiting.
    - **Cash, Safe, and Inventory Management**: I count the money for the day and ensure cash is not lost and profits are accounting for. I also order inventory and am working towards minimizing waste.
- **Biosero Inc.** — San Diego, CA
  Software Engineering Intern — *September 2016 – September 2017*
    - **Driver Development**: Developed drivers for a myriad of Bio-tech instruments for use automization. These included, Robotic Arms Sealers/Desealers, Acoustic Dispensing Systems, Microplate Readers, and many more.
    - **Product Development**: Created idea for a Bluetooth Barcode Scanner that would allow for easier, and more flexible microplate tracking. This involved modeling the design in Solidworks, developing a custom pcb with Eagle, working closely with a scanner manufacturer to secure bulk sale, programming a driver for the scanner, and troubleshooting and testing it. This project took me through the entire product development cycle.
    - **Database and UI Design**: Worked on microplate tracking database and optimized database structure. Also developed and tested UI elements and collaborated with our designer to write documentation on how to use the UI.
    - **MagneMotion Track Development**: Worked to implement a magnetic track system for use in large scale and connected integrations. Used graph theory and queueing theory to optimize track movement algorithm.

PROJECTS

- **PrettyPastelBot**: Twitter bot written in node that generates a random pastel color and tweets it with its color info.
- **Law of Large Numbers Simulator**: A simulator of the Strong Law of Large numbers made with React + Redux. Simulates infinite random trials of random events to illustrate the effect of the LOLNS.
- **LOL Esports Data Scraper**: A data mining project that scrapes data from Riot's hidden LOL-Esports-Api, and aggregates the most important player data available into neat json files.
- **Superconductor Analysis**: In this project I analyzed data gathered from more than 20,000 superconductors to see if we can predict a superconductor's critical temperature using regression.

PROGRAMMING SKILLS

- **Languages**: Python, Javascript, C++, C#, Java, R, SQL, HTML, CSS, Shell Scripting.
- **Technologies**: React, Redux, Express, D3, Node, Git, PyTorch, XAML, Rmarkdown, Tidyverse, Shiny, CLI tools.