

Eduardo Escoto

Learn more at: eduardoescot.io

Connect with me at: [linkedin.com/in/e-esc](https://www.linkedin.com/in/e-esc)

See what I'm working on at: github.com/eduardoescoto

Contact

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EDUCATION

- **University of California, Santa Barbara**

Santa Barbara, CA

September 2017 – June 2020

Bachelor of Science in Mathematical Science and Statistical Science

- **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

September 2014 – June 2017

Associate of Science in Mathematics and Computer Science

- **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

June 2013 – Present

Shift Supervisor and Barista

- **Certified Coffee and Food Master:** Succeeded in Coffee and Food master certifications and continued on to win the district Barista Championship in 2016. First Partner of the Quarter at store.
- **Maintains and Enforces Cleanliness Standards:** Monitors store cleanliness in order to upkeep a standard of excellence. Quality and Safety Assessment score raised from a 93% to a 99%.
- **Upholds Drink and Food Standards:** Bolstered store's food sales, and led store to win district food sales competition, and a separate whole bean coffee sales contest.
- **Manages Cash, Safe, and Inventory:** Counts money for the day and ensures cash is not lost and profits are accounted for. Orders inventory and works towards optimizing storage and minimizing waste.
- **Prioritizes Stellar Customer Satisfaction:** Leads a team of world-class baristas to create a positive, inclusive, and motivating work environment that customers consistently enjoy visiting.

- **Biosero Inc.**

San Diego, CA

September 2016 – September 2017

Software Engineering Intern

- **Driver Development:** Developed drivers for a myriad of Bio-tech instruments for use in automization. These included, Robotic Arms Sealers/Desealers, Acoustic Dispensing Systems, Microplate Readers, and many more.
- **Product Design and Development:** Created Bluetooth Barcode Scanner prototype that would allow for easier, and more flexible microplate tracking. 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 the product. This project involved the entire product development cycle.
- **Database and UI/UX Engineering:** Engineered and optimized microplate tracking database. Developed and tested UI elements and collaborated with designers to clarify, and generate automatic product documentation.
- **MagneMotion Track Integration:** Implemented magnetic track system for use in large scale and connected integrations. Utilized graph theory and queueing theory to streamline track movement algorithm.

PROJECTS

- **PrettyPastelBot:** Twitter bot built in Node that generates a random pastel color and tweets it with its color info.
- **Law of Large Numbers Simulator:** Simulator of the Strong Law of Large numbers crafted with React + Redux. Simulates infinite trials of identically distributed random events to illustrate the effect of the Law of Large Numbers.
- **LOL Esports Data Scraper:** 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. Used for Sabermetrics Analysis on players.
- **Superconductor Analysis:** Analysis of data gathered from more than 20,000 Superconductors to investigate the efficacy of a regression model in predicting Superconductor Critical Temperatures from elemental composition.

PROGRAMMING SKILLS

- **Languages:** Python, Javascript, C++, C#, Java, R, Visual Basic, Shell Scripting, SQL, XAML, HTML, CSS.
- **Technologies and Tools:** React, Redux, Apollo, Express, D3, Node, PyTorch, Scikit-learn, NumPy, Pandas, Rmarkdown, Shiny, Tidyverse, Firebase, Heroku, Git and Source Control, CLI tools.