Eduardo Escoto

Learn more at: eduardo.wtf
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See what I'm working on at: github.com/eduardo-exists

Contact

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EDUCATION

- **University of California, Santa Barbara** — Santa Barbara, CA
  Bachelor of Science, Double Major in Mathematical Science and Statistical Science — *September 2017 – June 2020*
  - **Concentration**: Probability and Statistics
  - **Organizations**: Data Science Club, Association for Women in Mathematics, Computer Science Tutor
  - **Relevant Coursework**: Bayesian Analysis, Data Science, Machine Learning, Stochastic Systems, Generalized Linear Models, Real Analysis, Numerical Analysis, Complex Analysis, Linear Algebra, Matrix Analysis

- **San Diego Miramar College** — San Diego, CA
  Associate of Science, Double Major in Mathematics and Computer Science — *September 2014 – June 2017*
  - **Organizations**: Phi Theta Kappa Honors Society
  - **Relevant Coursework**: Data Structures, Object Oriented Programming, C++, Java
  - **Accomplishments**: Honors Student, Deans List Scholar, Annual Research Symposium Presenter

EXPERIENCE

- **Data Science Intern** — Santa Barbara, CA
  UCSB Health and Wellness Department — *May 2019 – June 2020*
  - **Facilitated Data Gathering and Management**: Leveraged platforms like Qualtics and Microsoft's Power BI in order to centralize data gathering and availability. Monitored survey quality to ensure unbiased responses.
  - **Analyzed Data and Built Models**: Incorporated a wide array of tools and techniques to analyze all departmental and survey data. These included Bayesian Methods, Machine Learning, and Classical Methods.
  - **Produced Data Reports and Visualizations**: Distilled data analyses into clear and concise data reports and visualizations. Designed and maintained code for visualization styling, and report generation.
  - **Optimized Internal Processes**: Innovated departmental systems and replaced them with modern analogues. Built web–based solution to streamline inventory and key management with a custom React-GraphQL App.

- **Data Science and Computer Science Teaching Assistant** — Santa Barbara, CA
  UCSB Computer Science Department — *March 2019 – June 2020*
  - **Created Curriculum**: Worked with team to meticulously write guided labs and homeworks in Jupyter Notebooks. Created resources for students to use in minimizing programming learning curve.
  - **Engineered and Maintained Autograding Tooling**: Developed python scripts in order to autograde Jupyter Notebook assignments and upload scores and automatic feedback to Grading Portal via API.
  - **Possesses DS/CS Expertise and Domain Knowledge**: Hones skills in order to be informed and prepared to answer any question a student has. Deep Knowledge of key Data Science ecosystems to ease onboarding.
  - **Held office hours and Led Review Sessions**: Spent time tutoring and helping students with homeworks and labs. Created midterm and final review questions and went over them in lecture style sessions.

- **Software Engineering Intern** — San Diego, CA
  Biosero Inc. — *September 2016 – September 2017*
  - **Maintained and Implemented Microplate Tracking Database**: Implemented SQL code for the Microplate Tracking Database used by our laboratory automation program, where each integration would be customized to every customer's different needs.
  - **Developed Instrument Drivers**: Wrote drivers in C# for a plethora of Bio-tech instruments for use in laboratory automation. These included, Robotic Arms Sealers/Desealers, Acoustic Dispensing Systems, Microplate Readers, Incubators, and many more.
  - **MagneMotion Track Integration**: Engineered a magnetic track management system for use in large scale and connected integrations. Utilized graph theory and queueing theory results to streamline the puck movement to minimize waiting times at each station, and to calculate the right number of pucks to be present at each time.

PROGRAMMING SKILLS

- **Languages**: Python, R, Julia, Stata, Matlab, SQL, SAS, Javascript, C++, C#, Java, Scala, LaTeX, Shell Scripting.
- **Technologies and Tools**: React, GraphQL, D3, TensorFlow, PyTorch, Scikit-Learn, Numpy, Pandas, STAN, Jupyter, Rmarkdown, matplotlib, ggplot2, Tableau, Excel, PowerBI, Git.