

# Lauren Sidarto

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## Education

University of  
California, San Diego  
("UCSD")

2019 – 2023

BSE in Data Science,  
Minor in Business  
3.88 GPA, Provost's Honors

### Relevant Courses

**Data Science** · Data Structures, Algorithms, Theoretical Foundations, and Practical Applications of Data Science; Web Mining/APIs and Recommender Systems

**Math** · Multivariable Calculus, Linear Algebra, Statistical Methods, Exploratory Data Analysis and Inference

**Business** · Managing Diverse Teams, Business Ethics and Corporate Responsibility, Business Analytics

## Skills

**Languages** · Python, SQL, R, Java, HTML5, CSS, JavaScript

**Libraries** · Pandas, NumPy, SciKit-Learn, SciPy, Matplotlib, BeautifulSoup, Tableau, Seaborn

**Programs** · Adobe Photoshop and Illustrator, ZBrush (3D Modeling), ArcGIS, GSAP (JavaScript animations)

**Languages** · English (native), Mandarin (intermediate high), Bahasa Indonesia (conversational)

## Work Experience

**BizBaz** · Project Manager

Jan – Aug 2021

- London-based fintech firm using artificial intelligence and machine learning to offer solutions to financial institutions and telecommunication companies in Asia, aiming to reach millions of unbanked and unaccounted Asians
- Managed creation of a dashboard to display and quantify financial and political relations between China and Southeast Asia
  - Oversaw and developed entire project plan, scope, necessary research, and algorithm logic
  - Managed team of 4 international developers; liaised with China's Caixin Media as clients
  - In emergency situations, undertook front-end development and user interface/user experience ("UI/UX") design

**PALO IT** · Intern

July – Aug 2018

- The only high school intern in the history of the company. Agile-design consultancy headquartered in France, specializing in website, app, and Internet of Things ("IOT") device development
  - Designed UI, conducted UX testing and research for clients: Ministry of Manpower, Government Technology Agency of Singapore, and DBS Bank Car and Property Marketplace
  - Shadowed creation of IoT devices by DevOps engineers commissioned by client DBS Bank for use in smart restaurants; conducted research on microcontrollers

## Projects and Research

**DataHacks 2021** · Participant

Apr 2021

- UCSD's premier machine learning/data analysis hackathon; analyzed given dataset on word usage and frequency in religious texts
- Utilized a logistic regression classification model to differentiate choice of diction between chronologically related texts

**Gender Analysis on NYPD Complaints**

Jun 2021

- Utilized exploratory data analysis techniques, machine learning, and statistical methods on a public dataset of NYPD complaints
- Built a logistic regression model with optimized parameters and feature engineering to predict gender bias in complaint outcomes
- Evaluated model fairness; generated data visualizations using Matplotlib
- Conclusion: women have an advantage of 2% as compared to men; no significant bias in 2019

**Qualcomm Institute, San Diego City** · Undergraduate Researcher

Dec 2020 – May 2021

- Using ArcGIS (geospatial data software) and machine learning practices to help quantify the efficacy of the City of San Diego's Climate Action Plan by mapping the development of San Diego's urban tree canopy

## Leadership and Student Organizations

**Data Science Student Society ("DS3")** · Board Member, Design

Fall 2019 – Present

- Established Design committee and trained 2 subcommittee members, contributing to 700+ new DS3 members
- Singlehandedly revamped DS3's style guide and brand identity across all platforms, enhancing organization's professionalism
- Produced branding merchandise for DataHacks 2020-22, increasing yearly applicants by 12%
- Directed UI/UX development of the [DS3 website](#) and [DS3 Consulting website](#)
- Designed advertising for every DS3 technical workshop, social, career fair, and project showcase, amplifying the visibility and strength of the data science community at UCSD

**Triton Engineering Student Council ("TESC")** · Sponsorship

Fall 2019 – Fall 2020

- Organize hundreds of potential sponsors, companies, and university recruiters for TESC events, such as the Disciples of Engineering Career Fair ("DeCaf") and HackXX, UCSD's women-centric, all-inclusive hackathon
- Manage relationships with sponsors as first point of contact between companies and UCSD
- Liaised between other committees regarding management of event logistics and funds