

# Katrina Suherman

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## EDUCATION

### University Of California San Diego

Bachelor of Science - Data Science - 3.93 GPA

San Diego, CA

Sep 2023 – Mar 2026

### Edmonds College

Associate's in Applied Science - Computer Science - 4.0 GPA

Lynnwood, WA

Sep 2021 – Jun 2023

## EXPERIENCE

### Data Analyst Intern

Feb 2025 – Current

California Homebuilding Foundation

Remote

- Performed data entry and validation tasks, ensuring accuracy and consistency in housing industry records while assisting in organizing and managing large datasets to support research initiatives.
- Utilized Power Automate Desktop to automate repetitive data entry processes, significantly reducing manual effort and improving accuracy and efficiency.

### Cyber Security Consultant Intern

Jun 2024 – Sept 2024

KPMG

Jakarta, Indonesia

- Conducted data-driven cybersecurity maturity assessments, analyzing structured risk datasets to identify critical vulnerabilities and provide actionable, data-informed recommendations to enhance fraud detection and risk management.
- Produced detailed reports and visual dashboards to communicate trends in cybersecurity metrics, translating complex technical findings into actionable strategies for executive stakeholders.

### Executive Officer for Technology

Sep 2022 – Jun 2023

Edmonds College

Lynnwood, WA

- Led the redevelopment of the Technology Investment Management Committee, aligning resources with student needs through data-driven decision-making.
- Collected and analyzed student feedback, driving improvements in technology services based on data insights.

### Business Partner

Jun 2020 – Jun 2021

Allianz

Jakarta, Indonesia

- Analyzed market and client data to deliver personalized health insurance recommendations, leveraging data insights to optimize coverage and reduce risk.
- Synthesized client needs with insurance plan data to support data-driven decision-making, improving alignment between policy features and individual goals.

## PROJECTS

### Healthy Recipe Analysis | [Project Link](#)

Dec 2024

- Engineered features to enhance the dataset's predictive power, such as nutrient ratios and ingredient diversity scores.
- Built and optimized machine learning classification models using scikit-learn, achieving an 85% accuracy rate through iterative hyperparameter tuning.

### Predictive Model for Damage Caused by Wildfires | [Live Demo](#)

Mar 2025

- Conducted EDA on 130k+ wildfire damage records and engineered key structural and property features.
- Utilized data preprocessing pipelines for consistent scaling, encoding, and imputation.
- Developed and tuned ML models using GridSearchCV, with XGBoost emerging as the top performer

## LEADERSHIP

### Datahacks Committee | [DS3 UCSD](#)

Sep 2024 – Jun 2025

- Researched hackathon themes aligned with industry trends, and created a judging scheme for evaluating submissions.
- Secured sponsorships from industry leaders fostering strong partnerships for event success.

### Event Organizer | [PERMIAS Seattle](#)

Jun 2021 – Jun 2022

- Strategically planned event rundowns, attracting over 2,000 attendees by administering culturally significant themes that resonated with the Indonesian community and broader audience.
- Led a team of 30 volunteers, delegating tasks, and providing guidance to ensure efficient and successful execution.

### Math and English Tutor | [House of Wisdom](#)

Sep 2022 – Feb 2023

- Collaborated with local community to secure book donations, providing essential resources for refugee students.
- Enhancing refugee students' academic skills and helping them adapt to new educational environments.

## TECHNICAL SKILLS

**Languages:** Python, SQL, R, Java, C/C++, JavaScript

**Data Analysis:** Exploratory Data Analysis, Feature Engineering, Predictive Modeling, Regression Analysis, A/B Testing, Financial Modeling, Parameter Tuning

**Tools:** pandas, NumPy, scikit-learn, matplotlib, seaborn, Dask, Tableau, Power BI, Excel (Advanced), Beautiful Soup, regex, Jupyter Notebook, Git/GitHub, PowerPoint, PostgreSQL, AWS