

# Edward Lu

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**Career Objective:** Fourth year student studying Business Economics and Data Science at the University of California, San Diego seeking employment or internship to apply my skills in data analytics and programming.

## Education

**UNIVERSITY OF CALIFORNIA, SAN DIEGO**  
BACHELOR OF SCIENCE IN BUSINESS ECONOMICS, MINOR IN DATA SCIENCE

*EXPECTED GRADUATION: APR 2025*  
GPA: 3.92/4.0

## Professional and Research Experience

**NORTHROP GRUMMAN CORPORATION**  
ENTERPRISE ARTIFICIAL INTELLIGENCE INTERN

*AUSTIN, TEXAS*  
*JUN 2024-AUG 2024*

- Collaborated within a 20-member AGILE team managed with Jira to automate the collection and visualization of performance metrics for Azure-based AI tools with Python and KQL, including chatbots, governance tools, and coding assistants, facilitating the preparation of weekly and monthly reports to assess enterprise value.
- Configured file structure, organization, and information access of team data and reports on MS Teams and SPO

**TEXAS STATE UNIVERSITY**  
RESEARCH ASSISTANT

*AUSTIN, TEXAS*  
*JUN 2022-AUG 2022*

- Analyzed how cloud computing usage over time correlated to electrical grid usage and sustainable energy utilization. Predicted Marginal Operating Emissions Rate (MOER) with regard to seasonal variation. Created highly interpretable visualizations of predictive analysis with Python.
- Engineered two algorithmic approaches that recommend cloud computing users to postpone cloud computing sessions to minimize electrical grid strain during peak daytime hours and utilize a greater percentage of renewable energy. Proposed algorithms were predicted to reduce CO<sub>2</sub> waste up to 684,612 lbs. CO<sub>2</sub> per month. Supervised by Dr. Ziliang Zong, Ph.D.

**THE GENERAL STORE COOPERATIVE**  
CO-MANAGER/FINANCIAL PLANNING ASSISTANT

*SAN DIEGO, CALIFORNIA*  
*OCT 2023-JUN 2024*

- Assisted completion of various tax forms, including 990EZ, W-2 and W-3 forms, California Form 199, and more.
- Reviewed and validated budget requests, crafting comprehensive financial plans for each business quarter.
- Proficiently process purchases and returns at the cash register, ensuring precision and efficiency in all transactions while serving students and faculty of UCSD.

**CARTOUR INC.**  
MARKETING ASSISTANT

*REMOTE, CHINA*  
*JAN 2018-DEC 2020*

- Delivered proficient English-language translation services for internal documents within a company consisting of 51 employees, ensuring clarity and consistency in communication across all levels of the organization.
- Edited/revised English-language branding, ensuring alignment with company objectives and market standards.

Technical Skills	Leadership Experience
<ul style="list-style-type: none"><li>Proficient in development and data analytics in Python, R, MySQL, and Stata. Familiar with BigQuery.</li><li>Data Portfolio: <a href="http://www.datascienceportfol.io/edwardlu">www.datascienceportfol.io/edwardlu</a></li><li>Professionally proficient in French</li></ul> <b>Honors and Awards</b> <ul style="list-style-type: none"><li>UCSD Provost Honor's List Jan 2021- July 2024</li></ul>	<ul style="list-style-type: none"><li>English language tutor for Chinese students attached to Communities without Boundaries</li><li>Captain of two year-round A-level intramural soccer teams (Men's and Co-Ed) at UCSD</li><li>Marketing Lead of FTC Robotics team 11503 Hyperfang at Vandegrift High School</li><li>Team captain of Texas Select-Division 2 Lonestar Soccer Club White 2017-2020</li></ul>