

# EMILY LU

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## EDUCATION

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**University of California, Santa Barbara** – Santa Barbara, CA Sep 2016 – June 2020  
*Bachelor of Science in Statistics & Data Science* GPA: 3.6/4.0

- **Honors & Awards:** Dean's Honors, UC Santa Barbara '20 Academic Excellence Award recipient
- **Study Abroad:** Intensive Chinese Program at Peking University, Beijing, China – Summer 2018
- **Relevant Coursework:** Applied Stochastic Processes, Time Series, Regression Analysis, Probability and Statistics, Numerical Analysis, Mathematical Finance, Microeconomic & Macroeconomic Theory, Principles of Data Science with R, Problem Solving with C++, Foundation of Computer Science, Design and Analysis of Experiments, Differential Equations, Applied Linear Algebra

## PROFESSIONAL EXPERIENCE

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**Ares Management** – Los Angeles, CA Sep 2019 – March 2020  
*Performance & Attribution Part-time Intern*

- Transformed project data requirements into data models needed for data visualization & reporting via Power BI, Tableau, and SSRS by self-learning to program data extraction and preprocessing algorithms in Python
- Automated and enhanced reporting processes using Python by replicating and restructuring the manual processes
  - Improved workflow efficiency by a factor of ~200
  - Improved the team's client-facing & ad-hoc reports, leading to better data analytics and visuals
- Performed and automated data reconciliation to close 50+ CLO funds using Excel, SQL, and Python

*Performance & Attribution Intern* Jun 2019 – Sep 2019

- Proposed and implemented 10+ automation of existing business processes using scheduled Python scripts
  - Tripled the efficiency of financial data extraction, formatting, manipulation, visualization, and reporting
- Evaluated and analyzed portfolio returns & risks for daily performance reports used by portfolio managers
- Calculated metrics such as attribution and contribution for portfolio management and investor relation teams

**UCSB Design, Facilities & Safety Services** – Santa Barbara, CA Oct 2018 – Sep 2019  
*Business & Financial Planning Intern*

- Analyzed and approved orders each valuing up to \$500k made by various departments for accuracy in accordance with funding, object codes, restricted products, and purchasing guidelines
- Managed the development and processing of business transactions needed for infrastructure services
- Leveraged knowledge gained from BFP department to assist contractors on billing inquiries

*Contract Analyst Assistant* Jul 2017 – Sep 2019

- Built strong relationships and collaborated with project managers, contractors, and consultants to develop, design, and execute 200+ projects
- Created comprehensive e-signature templates for all multi-level contract agreements resulting in a 75% increase in business transaction efficiency and reducing project turnaround from three weeks to one week

## SKILLS, ACTIVITIES & INTERESTS

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- **Soft Skills:** Problem-solving, analytical, detail-oriented, business acumen, teamwork, communication
  - **Technical Skills:**
    - **Python** – Pandas, NumPy, SciPy, Matplotlib, Selenium, BeautifulSoup, requests, win32com, xlwings
    - **R** – stats, forecast, tseries, car, ggplot2, dplyr, data.table, readr, tidyr, RSQLite, knitr
    - **Programming:** SQL, C++, HTML/CSS, Javascript
    - **Other:** Microsoft Excel, LaTeX/Markdown, Git, Linux
  - **Data and Analytics Tools:** Visual Studio, Jupyter Notebook, RStudio, Tableau, Power BI, SSRS
  - **Activities & Interests:** Math, statistics, running, fashion, volleyball, food, traveling, stock/option trading