

# Taylor Villahermosa

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## EXPERIENCE

### Associate Data Scientist

*SAP • Palo Alto, CA • Jan 2020 - Present*

- Improving a Python web service for building usage graphs from tracked user-behavior data by implementing data quality checks, API testing, and code refactoring
- Designed and developed a machine learning driven sales forecasting model to provide SAP Cloud for Customer users with a reliable prediction of sales revenue
- Enhanced item recommendations and evaluated catalog quality in SAP Ariba Guided Buying with Bayesian and NLP methods
- Created and presented data science workshops for a global audience of interns and new hires (topics include: Recommendation Systems, Jupyter Notebooks, Evaluation Metrics)
- Conducted behavioral and technical interviews for recent graduate and internship program candidates

### Research & Development Lead, Analytics Intern

*UCSB Baseball • Santa Barbara, CA • Jan 2019 - Dec 2019*

- Led and organized meetings focused on statistical analytics projects to support player development and game strategy
- Streamlined the process of creating advanced game statistics for player evaluation by automating calculations with R and SQL
- Produced data visualizations and statistical recaps of player performance for @SBBaseballData on Twitter

## VOLUNTEERING

### Ambassador

*Women in Data Science (WiDS) • Palo Alto, CA • Oct 2020 - Present*

- Organized annual WiDS Silicon Valley @ SAP conference
- Created event website, managed registrations, and communicated with over 375 participants

## SKILLS

*Programming:* Python, SQL, R, C++, SAS, HTML, JavaScript, CSS

*Libraries:* NumPy, pandas, Matplotlib, scikit-learn, TensorFlow, tidyverse, rstan

*Tools:* Excel, Git, LaTeX, SAP Leonardo Machine Learning Foundation

*Concepts:* Probability, Regression Analysis, Linear Algebra, Bayesian Statistics, Time Series

## EDUCATION

B.S. Statistics and Data Science, with Honors

*University of California, Santa Barbara • Santa Barbara, CA*