

ALEXIS CASAS

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in <https://www.linkedin.com/in/alexis-casas-800b2013b/> 📝 Blog <https://github.com/aicasas>

EXPERIENCE

Business Analytics Research Assistant

Business Department, University of San Francisco

📅 Aug 2019 – May 2020 📍 San Francisco, CA

- Supervised by Professor Shivani Shukla, Dr. Mouwafac Sidaoui.
- Created academic research presentations for conferences.
- Worked with google APIS and generated transit models in python.
- Assisted in drafting papers for publication in LaTeX.

Physics and Astronomy Department Assistant, University of San Francisco

Physics Tutor, Teacher Assistant

📅 Jan 2019 – May 2020 📍 San Francisco, CA

- Guided weekly tutoring sessions for Methods of Mathematical Physics and Introduction to Physics.
- Transformed students' understanding of material.
- Developed and enhanced students' analytical techniques.
- Analyzed and reviewed department lecture material, homework solutions and exams before released to students.
- Code is open-sourced

AWARDS

2019-2020 Sigma Pi Sigma
2018-2020 Clare Boothe Luce Scholar
2019-2020 Women in Physics, Communications Chair

RELEVANT COURSES

Quantitative Business Analysis Data Visualization
Business Statistics Special Topics in R Computational Physics
Analytical Mechanics Methods of Mathematical Physics
Calculus I, II, III Macro and Micro Economics
Financial Accounting Digital Electronics Electromagnetism
Quantum Mechanics Optics

REFERENCES

• Shivani Shukla, Analytics Professor at University of San Francisco
sgshukla@usfca.edu | (413) 695-4900
• Milka Nikolic, Physics Professor at University of San Francisco
mnikolic@usfca.edu | (415) 422-4947
• Sophie Lin, Owner/Manager of Odenyaki Bistro (San Jose, CA)
odenyaki@gmail.com | (408) 886-8742 [Prefers Text]

EDUCATION

BS in Physics, Minor in Physics Engineering

University of San Francisco

📅 2016 – 2020 📍 San Francisco, CA

Professors: Dr. Brandon Brown • Prof. Milka Nikolic • Prof. Aparna Venkatesan • Prof. Thomas Böttger

Minor in Business Analytics

University of San Francisco

📅 2016 – 2020 📍 San Francisco, CA

Professors: Prof. Shivani Shukla • Dr. Mouwafac Sidaoui

PROGRAMMING SKILLS

Python
Matplotlib, Numpy, Scipy
R
Tableau
FPGA
LaTeX & Markdown
HTML
SQL

TECHNICAL SKILLS

Machine Learning Gaussian Processes
Regression Classification
Computational Physics Time Series
Linear Algebra
Quantum and Classical Mechanics
Differential Equations Web Scraping

SOFTSKILLS

Rapid Learner Professional
Hard-Working Dependable
Meticulous to Detail Responsible
Team Oriented Cooperative

LANGUAGES

English
Spanish