# Joaquin Stawsky

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## EDUCATION

**San Diego State University –** San Diego, CA **– Aug. 2019 - May 2022**
*Bachelor of Science:* Mathematics (Emphasis in Science [Astronomy]), *GPA:* 3.7
*Honors:* Magna Cum Laude, Dean's List (5 out of 6 semesters), Distinction in Mathematics

- *Leadership:* TAMID Group (Project Manager), Woods.IL (President/Founder)

- *Relevant Courses*: Ordinary Differential Equations, Programming in Math, Discrete Math, Real Analysis, Computational Modeling, Methods of Applied Math, Intercultural Communication, Business Writing and Rhetoric, Linear Algebra

## EXPERIENCE

**Undergraduate Researcher** – *San Diego State University* –  San Diego, CA **– Jan. 2022 – Aug. 2022 (**15 Hrs/Week)

- Proofread, edited, and wrote code in Python and R for two textbooks: *Climate Mathematics: Theory and Applications* and *Introduction to Modern Mathematical Modeling: A User's Manual to Train Mathematical Consultants* written by Distinguished Professor of Mathematics and Statistics: Samuel S.P. Shen
  - Built a website for the Mathematical Modeling textbook using HTML, CSS, and Javascript with no prior knowledge
  - Designed the cover photo for the Mathematical Modeling textbook using data visualization techniques in Python
  - Gained experience in dozens of projects covering time series analysis, singular value decomposition, energy balance modeling, linear and logistic regression, data mapping, and visualization

**Data Scientist** – *Vibe Imaging Analytics* –Tel Aviv, Israel / Remote **– June 2021 – Oct. 2021 (**12 Hrs/Week)

- Designed one Overall Equipment Effectiveness software in Python to compare and detect unsatisfactory machines
  - Worked with data describing 60 physical attributes applied to the analysis of rice, seeds, and grains of wheat
  - Implemented into the primary calibration process
- Automated a program to improve the efficiency of data visualization and interpretation for the preliminary analysis of seeds/grains; applied to business research, customer-side data visualization, and customer acquisition
- Conducted 3 machine learning algorithms (each with +90% accuracy) to differentiate between varieties of grains and seeds

**Financial Peer Educator** – *San Diego State University* – San Diego, CA **– June 2021 – Apr. 2022 (**5 Hrs/Week)

- Educated and assisted dozens of SDSU students in becoming financially independent
- Gave three presentations on building credit, budgeting, banking, loans/financial aid, buying a car, renting an apartment

**Project Manager Consultant** – *TAMID Group at SDSU* – San Diego, CA **– Aug. 2020 – May 2022 (**10 Hrs/Week)

- Director of New Member Consulting: Educated 30+ peers on the business basics and tactics
- Investment Funds Manager: Produced two stock pitches for publicly traded companies
- Project Manager: Delegated tasks to and worked alongside the team; designed and presented 15 deliverables working directly with two tech start-ups
  - Provided data-backed market and industry analysis, website reconstruction, and marketing improvement tactics
  - Businesses consulted: *Tigon Recruiter* – AI Recruitment Agency, and *GoTrack* – Trucking Logistics Startup Company

**Vice President of Finance** – *Alpha Epsilon Pi* – San Diego, CA **– Aug. 2020 – May 2021 (**15 Hrs/Week)

- Responsible for budget creation and management of Alpha Epsilon Pi (NPO) with a budget of $50,000+
- Mitigated COVID cuts by decreasing +40% of expenses
- Oversaw hundreds of monetary transactions, managed documentation of transactions, and filed taxes

**Founder/President** – *Woods.IL* – San Diego, CA **– Oct. 2020 – May 2021 (**5 Hrs/Week)

- Founded an outdoors club; *free* to all through its members' attendance of weekly seminars on sustainability, survival skills, and Israeli education
- Created an inclusive community of 20+ members to provide an escape into the tranquility of nature through camping, hiking, fishing retreats, etc.

## ADDITIONAL INFORMATION

- *Skills*: Spanish Biliterate, Beginner Hebrew, Proficient in SQL, HTML, CSS, JS, ADQL, Java, Minitab, and Maple, Fluent in LaTeX, Python, R, and MATLAB, Business Consulting, MS Office: Excel, PowerPoint, and Word, Financial Modeling, Fundraising, Scheduling, Program Oversight, Project Management.

## SCHOLARSHIPS/FELLOWSHIPS

- NOAA Cooperative Science Center in Atmospheric Sciences and Meteorology Fellowship (Cohort 5) – 2022
- Casper Mills Scholarship Award – 2019 - 2022
- JVS Scholarship Award – 2019 - 2022