Jonatan Blank Hall

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Citizenship: German and Mexican | **Residence**: Malmo, Sweden

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Profile

Highly skilled and motivated master's student specializing in economic growth and development, with a robust foundation in applied mathematics. Proficient in advanced programming, data analysis, and machine learning, complemented by multilingual capabilities in Spanish, French, English, and German. Proven experience in conducting impactful research, developing innovative software solutions, and leading educational initiatives. Demonstrated ability to work on interdisciplinary projects, providing technological consultancy to startups, and facilitating the implementation of mathematical and technical solutions in collaborative research. Adept at collaborating with international teams and driving projects to successful completion. Seeking to leverage my expertise in economic analysis and technological development to contribute to forward-thinking organizations.

Education

Lund University, Lund, Sweden
Master of Science in Economic Growth, Development and Population, Expected June 2025
- **Thesis**: "Long- and Short-term Effects of Privatization in Latin America - A Comparative Study of Argentina, Chile, and Mexico."
- **Relevant Coursework**: Advanced Econometrics, Advanced Analysis of Economic Change, Developmental Economics.

National Autonomous University of Mexico, Mexico City, Mexico
Bachelor of Science in Applied Mathematics, January 2023
- **Thesis**: "Achieving the 17 Sustainable Development Goals within the 9 Planetary Boundaries"
- **Capstone Project**: Quantitative Methods for HIV Analysis
- Graduated with honors

Technical Skills

- **Mathematical Expertise**: Statistics, Differential Equations, Time Series Analysis, Survival Analysis, Stochastic Processes, Partial Differential Equations, Dynamical Systems, Mathematical Optimization.

- **Programming**: Python, R, STATA, JavaScript, HTML/CSS, SQL, Git/GitHub, Full-stack Development (React, Django, Flask)

- **Data Analysis and Machine Learning**: Statistical Analysis, Data Visualization, Data Mining, Machine Learning, Statistical Learning Methods with Python and R

- **Research Skills**: Research Design, Literature Reviews, Article and Essay Writing, Comparative Analysis, Economic Theory, Economic History, Econometrics.

Languages

- **Spanish**: Native Speaker
- **French**: Fluent
- **English**: Fluent ([Toefl Certificate](#))
- **German**: Intermediate ([ÖSD Certificate](#))
- **Swedish**: Elementary

Professional Experience

Mexican Center for Industrial Ecology ([CMEI](#)), NGO

Internship, January-June 2023

- Conducted data mining projects on environmental issues to improve environmental impact assessment.
- **Supervisor**: [Dr. Daniel Itzamna Avila Ortega](#)

FABLE ([FABLE Mexico](#))

Internship, January-August 2022

- Developed a platform to convert crop information relational databases into a georeferenced map.
- Collaborated with IIASA members on transforming national and subnational information for the GLOBIOM model.
- **Supervisors**: [Dr. Gordon McCord](#) and [Dr. Fernanda Herrera](#)

Leadership Experience

Coding Academy, [Zero2Hero](#)

Founder, April 2022 - Present

- Established an online academy with over 500 students enrolled.
- Provided technological consultancy to startups, planning and developing technological solutions from scratch.
- Produce [educational content](#) for software development.

Lusem Case Competition Training, Lund University School of Economics and Management, Sweden

Participant, September-November 2023

- Participated in intensive training to enhance problem-solving and analytical skills through case competitions.

Computational Learning Club, Faculty of Science, UNAM, Mexico

President, June-December 2020

- Organized talks with prominent speakers in scientific and technological fields.
- Planned events to develop computational skills.
- **Reference**: [Dr. Sergio Iván López Ortega](#)

Debate Club, [IMEF](#), UNAM, Mexico

President, January-December 2019

- Prepared research and provided guidance on debate topics and argumentative skills.