

YITZY ROSENBERG

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PROFESSIONAL SUMMARY

Insatiably curious self-taught systems engineer. Growth, operations, strategy, and product. Lover of wicked problems. Industry expertise in commercial real estate, startups, venture capital, government policy, infrastructure, innovation, education, civil and environmental engineering. GED to full Ivy scholarship, 2x founder. Community builder, advanced scuba diver, film photographer, pilot, former professional longboarder. Certification: Lean Six Sigma Black Belt, ASEP, EIT.

RECENT HIGHLIGHTS

CTO - COO, Astrid | Jan 2025 - Present

- We're building an AI-powered symptom journaling and diagnostic platform for complex episodic conditions.
- Architected and built the initial engine to transform natural-language logs into structured clinical insights.

Head of Special Projects - Asset and Product Manager, Woolbright Development | Dec 2024 – Dec 2025

- Developed internal acquisitions product. Underwrote and analyzed 100+ prospective on/off market retail shopping centers and created AI workflows to analyze OM's, research ownership, and generate risk and financial models.
- Redeveloped leasing revenue growth operations. Through which leased fourteen vacancies within the first six months generating an estimated \$14M+ in actualized value and becoming the highest producer of leases.
- Created Throughput Formula, a management and measurement system that guided the development of a CRM and reinvention of multiple revenue generating channels including canvassing, national, and local outreach.
- Managed redevelopment construction, engineering, permitting, and contract of a \$10M+ Publix anchored center.

Director of Operations, Gearsupply | Mar 2023 – Nov 2024

- Developed novel customer acquisition strategies and finance structures that led to a multi-million-dollar investment round during one of the hardest fundraising economies.
- Hired and led a six-person operations team, optimized processes across finance, IT, and client-facing systems, helping grow our startup to \$15M+ in revenue.
- Designed, built, and implemented CRM, inventory, insurance, logistics, customer service, and data systems.

District Resiliency Project Manager, South Florida Water Management District | Nov 2021 – Feb 2023

- Developed a multi-million-dollar private equity investment thesis for a large family office.
- Spearheaded, funded, and ran a multi-million-dollar water innovation program.
- Developed novel water supply models incorporating sea-level rise and climate change for over 10M+ constituents.
- Provided engineering, budgeting, risk, and asset management support for \$100M+ infrastructure projects.
- Managed 20+ person teams of SME's; contributed to regional Water Supply and Resiliency Plans.
- Oversaw budgeting and project management for \$350M+ in infrastructure and planning projects.

Venture Capital Analyst and Kessler Fellow, Chloe Capital | May 2020 – May 2021

- Developed relationships with investors and co-investors; implemented an automated scraping system to source contact information for potential high-impact investors and assisted in raising initial \$50M fund.
- Redesigned and automated processes for applicant tracking, investor outreach, and program logistics.
- Produced reports on portfolio performance, impact assessment, and growth projections; conducted thorough due diligence and industry research reports for prospective investments.
- Managed a four-person fellowship program and led the hiring of two employees; implemented KPI and metric tracking for program participants and published an impact white paper.

TECHNICAL SKILLS

Analysis: Fund, Project, and Investment Finance, Debt Structuring, Investor Analysis, Technical, Financial, and Legal Real Estate Evaluations, DCF, LBO, and MonteCarlo Simulations, Uncertainty, Descriptive, Sensitivity and Risk Analysis, ANOVA, FMEA, Linear and Dynamic Programming, Multi-Objective Optimization, Civil and Environmental Engineering

Coding Languages: Advanced Excel, Python, Auto Lisp, R, MATLAB, VBA, VBScript, SQL, JavaScript, SysML, C, C++

Software: HubSpot, Salesforce, PowerBI, AutoCAD, ArcGIS, Jira, Trello, AirTable, Odoo, Argus, Procore, Wrike, SAP

EDUCATION

Masters of Systems Engineering, Cornell University | Financial and Business Systems | GPA: 4.0

Bachelors of Environmental Engineering, Cornell University | Entrepreneurship | Cum Laude | Undergraduate GPA: 3.7

COMMUNITY AND LEADERSHIP

Present: President of Cornell Club of Fort Lauderdale and Boca Raton, Aspen Institute Future Climate Leader, Young Professionals in Energy, Young Professionals in Infrastructure Board Member, AWWA Scholar, ACS Scholar

Cornell University: President of INCOSE Student Chapter, Vice-President of Cornell Rotaract Club, Senior Leadership in AguaClara Cornell, Senior Leadership in Engineers Without Borders, Unit Head and Counselor in Camp Kesem, Engagement Intern for Hillel, House Manager for Triphammer Cooperative, Mentor for CU-Empower, Peer Advisor for Environmental Engineering, Ambassador for Civil and Environmental Program, Contributor to Rotary WASH Grant Writing Team, Engaged Leadership Certification, Engineering Leadership Certification

FORMER EXPERIENCE

AquaClara, Ithaca, NY

Graduate Student Researcher - August 2020 – June 2021
Co-Entrepreneurial Lead in National Science Foundation I-Corps - May 2020 – December 2020
Business Lead & Research Advisor to Going Global Teams - May 2019 – September 2020
Prefabricated Plant Design & Research - Summer 2019
Public Relations Sub-Team Lead - January 2019 – May 2019
Public Relations Team Member - September 2018 – January 2019

Cornell University SC Johnson School of Business, Ithaca, NY

Lead Teaching Assistant for NBA6230 & 6233 “Actualizing Your Startup” - August 2020 – June 2021
Lead Teaching Assistant for NBA3000 & 5640 “Designing New Ventures” - August 2020 – June 2021
Research Assistant – Summer 2020

Engineers Without Borders, Ithaca, NY

Tanzania Team Member - September 2018 – December 2020

University of Technology Sarawak, Sibu, Malaysia

Research Fellow - August 2019 – May 2020

Tetra Tech, Ithaca, NY & Miami, FL

Water Resources Engineer - June 2018 – June 2019
Water Resources Intern - Summer 2018

Broward County Government, Fort Lauderdale, FL

Water Resources Intern - August 2017 – June 2018
Chemistry Intern - Summer 2017

Broward College, Pembroke Pines, FL

Undergraduate Chemistry Researcher - January 2017 - May 2017
South Campus Bureau Chief for The Observer - January 2017 - May 2017

Scheck Hillel Community Day School, Kesher LD, Miami, FL

Middle School Health Teacher / Behavior Assistant – December 2014 - January 2016

FunkAmm, Miami, FL

General Manager - May 2013 - December 2014

Central Lock & Hardware, Miami, FL

Warehouse Manager - January 2013 - May 2013

FORMER EDUCATION

Associates in Arts | Broward College | Fort Lauderdale, FL | GPA: 3.92

Engineering for Developing Communities | Technion Israel Institute of Technology | Haifa, Israel | GPA: 3.9

FORMER COMMUNITY AND LEADERSHIP

Broward College: Founder & President of the Chemistry Club, Founder of the Textbook Exchange Library, Vice-President of Fellowship for PTK Honors, South Campus Bureau Chief for “The Observer”, Jurisprudence in Student Government Member of the Student Leadership Committee, Writer for Honors Newsletter, Senior Member of Model United Nations, Honors Student Committee Club,,Central Campus Events Coordinator, South Campus Events Coordinator, Robotics Student Government Representative, Service Chair for the NSLS, Chai Lifeline Miami, Friendship Circle Miami

AWARDS

Aspen Institute Future Climate Leader (2023), American Water Works Association Scholar (2020), Kessler Fellow (2019) American Chemical Society Scholar (2018), Honorary Discipline Award Physics (2018), Future Resilient Leader Award (2018), Jack Kent Cooke Scholar Semifinalist (2017, 2016), Boccino Family Scholarship Award (2017), Student Life Leadership Award (2017), Honorary Discipline Award Chemistry & Spanish (2017), Presidents Award (2017), Student Life Civic Award The Observer & Phi Theta Kappa (2017), Best Position Paper & Outstanding Delegation Southern Regional MUN (2017), Rasmussen Award (2016), Robert Elmer Award (2015), Scholars Grant (2015), William Porterfield Award (2015), Presidents List (Fall 2017, 2016, 2015, 2014, Spring 2017, 2015, 2014, 2013) Dean’s List (Spring 2019, Fall 2016)