DANIEL KENIGSBERG Brooklyn, NY | amazingkenigsberg@gmail.com

Entrepreneurial, product-minded full-stack engineer who thrives on solving complex technical problems and building products from the ground up. Experienced in developing AI agents and applications leveraging imagery, sensor data, and real-world intelligence, with a track record of delivering solutions in the energy and utilities sector. Seeking full-stack and AI agent engineering roles, with an interest in embedded systems.

EXPERIENCE

Senpilot New York, NY
Full Stack Engineer October 2025 – Present

- Delivered zero-to-one AI and ML products end to end for utilities, collaborating with and reporting directly to the CEO.
- Built spatial AI models fusing Sentinel-2, commercial aerial imagery, and LiDAR, with U-Net segmentation and tree crown extraction (watershed, DeepForest), to flag risk along power lines before outages and fires occur, saving utilities thousands of hours on the ground observing power lines.
- Built and led integration of the customer service product: real-time voice AI agents on a LiveKit agent harness with full-duplex speech-to-speech models (OpenAI Realtime, Grok); tool calls query CIS customer data, check outages, and ping AMI smart meters, automating inbound calls during storms and overnight hours.
- Collaborated with marketing and sales to design and build a single system of record for prospect and customer management, now used across the company and supporting successful conversion in outbound efforts.

UniqLearn Inc. New York, NY
Technical Co-Founder and CTO June 2023 – October 2024

- Founded Ed-tech startup that serves hundreds of schools and has raised $2M in funding to date.
- Built ML and LLM tools that personalized content and tracked student performance, plus data systems that gave teachers real-time classroom insight.
- Raised $400K pre-seed and won the NYU Entrepreneur's Accelerator ($100K prize); ran technical discovery and deployment directly with school and district partners.

Burning Glass Institute New York, NY
Data Scientist May 2023 – October 2025

- Assembled, cleaned, and joined labor and education datasets; ran EDA to validate data and define modeling targets.
- Trained and evaluated baseline ML models (linear/logistic, tree-based) to improve projections, tracking MAE/RMSE with cross validation.
- Used LLMs for prompt-based skill tagging and occupation normalization, and translated economic and demographic findings into charts and short memos for non-technical stakeholders.

NYU Courant Institute — SURE Research Award New York, NY
Research Lead, Co-First Author April 2025 – October 2025

- Led a joint project under Prof. Jonathan Goodman on MCMC methods for sampling from the special orthogonal group, contributing to theory across representation theory, Lie groups, and Markov chain mixing.

Noodle New York, NY
Quality Assurance Engineer July 2022 – April 2023

- Supported QA for microsite migrations and NLP features; built test automation and data validation in Python, SQL, and Excel alongside engineering and product.

EDUCATION

New York University, Tandon School of Engineering New York, NY
B.S in Mathematics and Computer Science Minor/Engineering Component *Sep 2022 - Dec 2025*
Relevant Coursework: Honors Theory of Probability, Honors Abstract Algebra I & II, Commutative Algebra, Honors Analysis I & II, Complex Analysis, Partial Differential Equations, Ordinary Differential Equations, Numerical Analysis, Applied Statistics, Mathematical Modeling in MATLAB, Linear Algebra, Post Quantum Cryptography
Research: Mechanical Engineer, NYU Hyperloop VIP (2022–2024) linear induction motors and maglev prototyping.

SKILLS

- Cross-functional collaboration, stakeholder communication, data storytelling, project scoping, fundraising & pitching, entrepreneurial problem solving.
- Java, Python, C++, HTML, Javascript, React, MATLAB, Sklearn, Excel, SQL, Redux, PyTorch, Tensorflow, Render, Vercel, AWS, GCP, Claude Code, Codex, Grok
- Languages: English (Native), Russian (Bilingual), Ukrainian (Limited), Spanish (Limited)