Zev Pinker

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https://zevpinker.com| https://github.com/ZevPinker

Education

Yale University New Haven, CT

Bachelor of Science in Computer Science, Certificate in Energy Studies *Aug. 2022 – May 2026*

- Relevant Courses: Computational Planning & Optimization, Machine Learning, AI Theory and Infra, Systems Programming, Data Structures, Algorithms, Probability & Bayesian Statistics, Data Visualization, Computational Linguistics & LLMs
- Awards: Yale Planetary Solutions in Clean Energy Fellowship (2025), Yale Environmental Fellowship (2023)

Work Experience

Software Engineer and Market Analyst May 2025 – August 2025

Aion Grid Inc. *New Haven, CT*

- Performed statistical revenue analyses across 5+ state-level clean energy incentive programs using regression modeling to evaluate demand response ROI for commercial customers; produced internal reports guiding business development strategy
- Initiated project scoping for site-specific electricity load forecasting model using neural networks to predict consumption patterns and optimize grid reinforcement strategies
- Containerized production applications with Docker, configured CI/CD pipelines with GitHub Actions, and deployed to AWS using Terraform to support three web applications processing operational data at scale
- Built full-stack NodeJS applications with data visualization dashboards for real-time monitoring of energy assets participating in demand response programs

Research Intern June 2024 – May 2025

Benchmark Labs *Remote*

- Conducted market research on offshore wind operations, analyzing operational cost structures and policy frameworks to identify product-market fit for climate forecast software
- Interviewed industry operators and policy experts to identify market dynamics and opportunities in renewable energy analytics
- Synthesized technical and policy literature into actionable insights for product roadmap decisions and client engagement strategy

Data Scientist and Software Engineer May 2023 – August 2023

Yale Center for Biodiversity and Global Change *New Haven, CT*

- Developed linear optimization models using Gurobi API to solve resource allocation problems for biodiversity conservation, enabling parameterized analysis across multiple conservation objectives and budget constraints
- Led a team of interns through project design, development, and implementation; delegated research tasks and communicated technical requirements to cross-functional stakeholders

Projects & Leadership Experience

ISO-NE Electricity Market Dashboard | *Data Visualization Project* Fall 2024

- Built interactive dashboard visualizing Locational Marginal Pricing (LMP) and load patterns across ISO-NE service zones using Python and data visualization libraries to analyze market dynamics and regional price variations

Music Year Prediction Model | *Machine Learning Project* Spring 2025

- Trained supervised learning model to predict song composition year from 500+ audio features, achieving 75% accuracy using feature engineering, cross-validation, and ensemble methods

Offshore Wind Market and Policy Review | *Published in Yale Clean Energy Forum* August 2025

- Authored whitepaper analyzing NREL 2024 offshore wind market forecasts and federal policy impacts (OBBBA), synthesizing technical and economic data to assess market development trajectories

Code Haven Classroom Lead | *Yale, New Haven, CT* September 2023 – May 2025

- Led team of Yale students providing computer science mentorship to 21 seventh-grade students, developing curriculum and teaching programming fundamentals in Scratch

Technical Skills

Languages: Python, SQL, C, C++, JavaScript, Bash, R
Infrastructure & Tools: Docker, AWS (EC2, S3, VPC), Terraform, GitHub Actions, Git, Linux
Data & Analytics: Pandas, NumPy, Scikit-learn, Data Modeling, Matplotlib, Plotly