

# Eunji Kim

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## EDUCATION

- May 2027 - Present **NEW YORK UNIVERSITY, Tandon School of Engineering** | *New York, NY*  
Master of Science, Urban Data Science | *GPA 3.95/4.0*  
Relevant Courses - Data Science, Machine Learning, Big Data Management, Geographic Information Systems
- Mar 2014 - Feb 2020 **HANYANG UNIVERSITY, School of Architecture** | *Seoul, South Korea*  
Bachelor of Architecture | *Graduated Summa cum laude*
- Oct 2017 - Feb 2018 **Cracow University of Technology, School of Architecture** | *Exchange semester | Cracow, Poland*
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## TECHNICAL SKILLS

- **Data Analytics & ML** | Python (Pandas, GeoPandas, Scikit-learn, SciPy, PyTorch), SQL, ArcGIS, MongoDB
  - **Data Visualization & Story-telling** | Python (Matplotlib, Plotly, Pydeck, Streamlit), Tableau, Power BI, Excel
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## EXPERIENCES

- Oct 2025 - Present **NYU SAPD (Strategic Assessment, Planning & Design)** | *Planning Intern | New York, NY*
- Developed data analysis pipeline from data warehouse to Tableau server, streamlining the process to analyze spatial data.
  - Built interactive dashboards to aggregate disparate datasets, bridging spatial and financial metrics to derive actionable insights on campus capital projects planning.
  - Analyzed building energy data from meters with Python-based models to evaluate current utilization and identify inefficiencies.
- Jun 2023 - Jun 2025 **COUPANG** | *Spatial Designer at Logistics Launch team | Seoul, South Korea*
- Engineered spatial capacity models for 400+ last-mile nodes, applying rigorous metric analysis to optimize network throughputs and extend customer order cut-off times by 4 hours.
  - Scaled service coverage 200% by conducting geospatial feasibility analysis on 200+ locations, utilizing location intelligence to drive strategic site selection.
  - Formulated space planning standards based on regional user behavior data for delivery, which rolled out experimentation protocols to 100+ sites to maximize operational efficiency.
  - Revamped facility layouts at 8 critical sites to resolve capacity shortages, generating \$75,000 in annual cost savings.
- Jan 2020 - Jun 2023 **GANSAM ARCHITECTS & PARTNERS** | *Architect | Seoul, South Korea*
- Led architectural design of a smart logistics center from concept through construction documents, coordinating MEP and fire-safety teams.
  - Participated in over 10 large scale building projects, ranging from commercial housing complexes to office buildings.
- Mar 2018 - Jun 2018 **KAMJZ Architects** | *Architectural Intern | Warsaw, Poland*
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## PROJECTS | [eunji-kim.com](http://eunji-kim.com)

- Mar 2026 - May 2026 **Cool Roofs: A Data-Driven Framework for Urban Heat Mitigation**
- Designed a binary integer optimization model under a \$24M fixed budget; two scenarios (maximize thermal impact vs. prioritize Heat Vulnerability Index) selected ~3,370 buildings, projecting a 0.78°C mean surface-temperature reduction.
  - Translated findings into a policy-ready prioritization framework, replacing the current voluntary-participation program with targeted investment.
- Mar 2026 - May 2026 **Energy Burden Prediction Model for NYC Census Tracts**
- Trained Random Forest regressor on residential energy burden, tuned with RandomizedSearchCV under 5-fold CV; ran an ablation against a socio-only Linear-Regression baseline to quantify the lift from built-environment features.
  - Performed K-Means clustering and feature-importance analysis to separate structural drivers (building age, FAR, residential share) from socioeconomic drivers, informing targeted retrofit and assistance policy.
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## AWARDS & CERTIFICATES

- Apr 2026 | Award **The 2026 ConTech Alliance Hackathon** | *1st Prize*
- Developed a feasibility assessment tool for office-to-residential conversions, targeting the optimization of up to 90 million square footage of vacant space in Manhattan.
- Jun 2025 | Certificate **Registered Architect** | *Korean Institute of Registered Architects (KIRA)*