Elena Vindrola

1813 ORANGETREE Ln., Mountain View, CA 94040 | 415-767-8119 | elenavindrola@gmail.com

https://www.linkedin.com/in/elena-vindrola

Engineer specialized in the field of sustainability, authorized to work in the EU and USA.

WORK EXPERIENCE

Engineer II, Engineering Sciences   **01/2023 – present**
Technician I, Sustainability and Climate Change   **03/2022 – 01/2023**
  Mott MacDonald, Los Angeles (CA) USA
- Responsible during both roles for technical tasks in Built Environment, Net 0 & Resilience, and Advisory projects. Co-author of the Regenerative Design Framework, winner of the 2023 People & Planet Award for Sustainability in the NASA region. Member of the electrical engineering sustainability committee.

SCPPA Engineering Intern, Electrical Engineering Department   **09/2021 – 03/2022**
  Burbank Water and Power, Burbank (CA) USA
- Aided the T&D Team on multiple projects, such as the 20 years Integrated Resource Plan.

Research Assistant, USC Sol Price School of Public Policy   **01/2021 – 09/2021**
  METRANS Transportation Consortium, Los Angeles (CA) USA
- Computed annual metrics with SQL using NAICS codes, proving the economic feasibility of the CSFAP.

Environmental Consulting Trainee, Environmental Monitoring Department   **10/2019 – 11/2019**
  SEACOOP, Torino (TO) Italy
- Decreased local pollution by sampling a river to create biodiversity indexes and collaborating on writing scholarly articles.

Energy Analyst, Sustainability Department   **09/2018 – 06/2019**
  City of San Diego, San Diego (CA) USA
- Managed Energy Benchmarking 2017 and DOE Better Building Challenge 2018 to achieve the Climate Action Plan's goals.

EDUCATION

Master of Science in Electrical and Computer Engineering - Green Technologies   **01/2021 – 05/2023**
  University of Southern California, Viterbi School   GPA: 3.925, MS Honors Program, The Honor Society of PKP
- Merit Scholarships: Frederick Angus Gross, P.E.O. SSC Nearly New and Ethel O. Gardner, WTS-LA Zephyr Rail, TRB DDETFP
- Relevant Engineering Coursework: Renewable Energy in Power Systems, Sustainable Design and Construction, Sustainable Infrastructure Systems, Industrial Ecology: Technology-Environment Interaction, Energy and Process Efficiency, Strategic Management of Technology

Bachelor of Science in Environmental Systems – Ecology, Behavior & Evolution   **09/2015 – 06/2019**
  University of California, San Diego   GPA: 3.555, Provost Honors

SKILLS & CERTIFICATIONS

Professional Certificate in Software Development & Programming   **01/2020 – 12/2020**
UC Berkeley, **Extension**   GPA 4.0, with Distinction
- Computer Skills: Python, SQL, Office 365, JavaScript & jQuery, AutoCAD, Design Builder, Revit, Adobe Creative Cloud
- Languages: Italian (mother language), English (proficiency)
- Sustainability Credentials: LEED AP BD+C; ENV SP

ACADEMIC PROJECTS

Understanding Firm-Level Trends of the General Freight Trucking Sector in the United States   **06/2021**
- Directed Research at the USC Sol Price School of Public Policy in collaboration with METRANS.

Complying with the Department of Energy Better Building Challenge in the City of San Diego   **05/2019**
- Environmental Systems Senior Project discussed at the 2019 UC San Diego Environmental Symposium & Alumni Reunion

LEADERSHIP & VOLUNTEERING

Manager, Meetup, Mountain View (CA) USA   **08/2020 – 02/2021**
- Event coordinator for SF Bay Area Surfing, a group of 1800+ people.