

Living Lab Fellowship Program for Sustainability AY23-24

Project Overview: Enhancement of Stanford's EV Readiness

Living Lab Fellowship Program for Sustainability:

Offered in partnership by the Stanford Office of Sustainability, Stanford Doerr School for Sustainability, and the Bill Lane Center for the American West, the [Living Lab Fellowship Program](#) provides Stanford students real-world sustainability leadership and project management opportunities that meaningfully advance Stanford's operational sustainability goals. Successful student applicants will be matched with a pre-identified [campus sustainability project](#), mentored by operational experts in the project field, and paid to work up to 10 hours per week over the course of an academic year on their project.

Project Background:

In the wake of California's progressive shift towards [phasing out internal combustion engines](#), and in alignment with its [goal to achieve net-zero greenhouse emissions by 2050](#), Stanford recognizes the imperative to proactively address the growing prevalence of electric vehicles (EVs). As EV adoption gains momentum, the university acknowledges the necessity for a comprehensive strategy to advance its on-campus EV charging infrastructure, catering to a diverse range of stakeholders including residents, commuters, and visitors. The proposed project is driven by the need to amalgamate and scrutinize existing data sources and future forecasts pertaining to various user categories. By incorporating insights regarding projected campus expansion and anticipated trends in emerging technologies, this project seeks to formulate a holistic and forward-looking blueprint for the augmentation of Stanford's EV charging network.

Project Description:

The EV Readiness Fellow will undertake comprehensive research and data analysis to formulate an encompassing EV charging proposal and draft master plan for Stanford University. This initiative aims to establish a systematic framework and strategic approach for the augmentation of Stanford's EV charging infrastructure. Leveraging existing data repositories, projections of future expansion, upcoming technological advancements, and projected demand, the fellow will synthesize a comprehensive roadmap to bolster the university's electric vehicle charging capabilities, ensuring alignment with sustainable transportation objectives.

Desired Project Outcomes & Deliverables:

EV Charging Proposal / Master Plan for Stanford University

Collaborating Departments:

Land Use and Environmental Planning (LBRE)
Transportation (LBRE)

Living Lab Fellow

Nikita Salunke, B.A. Economics '24, M.S. Sustainability Science & Practice, '25

Project Mentor:

Lesley Lowe, Transportation and Environmental Planning Director

Land Use and Environmental Planning (LUEP)

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