PALAK AGARWAL

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EDUCATION

UNIVERSITY OF PENNSYLVANIA, **School of Design**   May 2021
Master of Landscape Architecture (MLA)
Master of Urban Spatial Analytics (MUSA)
GPA 3.78

RASHTREEYA VIDYALAYA COLLEGE OF ARCHITECTURE, Bangalore, India   May 2017
Bachelors of Architecture
GPA 3.73

WORK EXPERIENCE

RESEARCH ASSISTANT, EMLab ((Environmental Modeling Lab), Philadelphia, PA   January 2021 - Present
- Look at remote sensing data and create multi-spectral signatures for different land usesnot covered in NLCD.
- Tangible modeling using GRASS and Ubuntu (Linux).

RESEARCH ASSISTANT, IAN MCHARG CENTER, Philadelphia, PA   January 2020 - Present
- Research repercussions of the Green New Deal on the planet and Global South
- Creating visualizations for topics that intersect between colonization, imperialism and material flow politics

TEACHING ASSISTANT, MEDIA III - FLOWS LINEAR/NON-LINEAR, Philadelphia, PA   January 2020 - December 2020
- Help students with troubleshoting problems in ArcPro and Rhino + Grasshoper.
- Grade and mark weekly asssignments and provide constructive feedback to develop the students their projects.

RESEARCH ASSISTANT, ANURADHA MATHUR, Philadelphia, PA   January 2020 - May 2020
- Research and prepare pieces for an exhibition for the book *Invention of Rivers*

SUMMER INTERN, REED GILLILAND LANDSCAPE ARCHITECTURE, Petaluma, CA   June 2019 - August 2019
- Assisted in the design of a residential projects in the conceptual design, design development and construction development phases
- Proposed conceptual design and made views for two competition proposals

PROJECT ARCHITECT, BHUMIPUTRA ARCHITECTURE, Bangalore, India   June 2017 - June 2018
- Managed and supervised the Ujjivan Small Finance and Parinaam Foundation account and designed 20 prototypes of varied functions such as bus stops, washrooms, classrooms for underprivileged communities.
- Supervised and assisted in the design of a high end residential projects as part of the conceptual design and design development team

INTERN, BHUMIPUTRA ARCHITECTURE, Bangalore, India   June 2016- June 2017
- Assisted in the design of 3 major office buildings; made an entire set of construction documents and coordinated with work on site.
- An integral member in a nation-wide competition for the design of the National War Museum; shortlisted to the top 8 out of 500 entries.

ACHIEVEMENTS

INTERNATIONAL STUDENT REPRESENTATIVE , University of Pennsylvania, Philadelphia, PA   August 2019 - December 2019
- Act as a mediator between the department and the international students. Help voice concerns of the students to the chair.

NOMINEE FOR THE OLIN FELLOWSHIP 2020

TOP 10 IN GRADUATING CLASS | R V College of Architecture

SOFTWARE SKILLS

- R (tidyverse, sf, raster, tmap, caret, tidymodels, shiny, R Markdown)
- Python (pandas, numpy, geopandas, matplotlib/seaborn, folium, scikit-learn, keras, panel)
- Git
- OpenStreetMap (Overpass API)
- C, C++

- ArcMap, ArcPro
- GRASS
- Adobe suite
- Earth Engine
- 3D Modeling softwares (Rhino, Sketchup, Lumion)
- Javascript