

**PHU N DANG** | [dangnphu31@gmail.com](mailto:dangnphu31@gmail.com)

+1 (669) 274-8956 | [pndang.com](https://pndang.com) (*portfolio*) + /r for data sci. & all in 1 resume | [linkedin.com/in/pndang](https://linkedin.com/in/pndang) | [github.com/pndang](https://github.com/pndang)

**PROFILE** - An eager, adaptive, and thoughtful young professional with a multidisciplinary and entrepreneurial record of leadership and extracurricular activities, fostering a career synergizing technology & real estate. Possesses a comprehensive education in data tools, CRE finance/underwriting/valuation, mixed-use, transit-oriented/joint development, affordable housing, urban design, & green building.

## EDUCATION

**UNIVERSITY OF CALIFORNIA SAN DIEGO** | GPA: 3.745

Exp. Graduation Date: June 2025

Real Estate & Development, B.S. | Data Science, B.S. | Urban Studies & Planning, Minor

## SKILLS & ACTIVITIES

- **Tools & Credentials:** LEED® Green Associate™, CoStar, SketchUp, Tableau, Python, AI for CRE (machine learning, large language models), digital twins (Unreal Engine 5, Cesium), MS Excel/Word/PowerPoint, Vietnamese Bilingual Fluency
- **Extracurricular Activities:** **Developing Leader** at NAIOP San Diego, **Etkin Scholar & Shadow Broker** at Urban Land Institute (hands-on with real-world OMs and deals), **Student Member** at IREM, APA, **President & Lead Data Scientist** of Biokind Analytics at UC San Diego (data nonprofit), **Player** and prev. **Officer** on UC San Diego Men's Club Water Polo Team (*'22 National Champion*), prev. **Research Scholar** at Semiconductor Research Corp. (Personalized & Secure Drug Discovery)
- **Certifications:** Adventures in CRE Advanced Accelerator (pursuing – covers leases, retail/hotel/office/multifamily/industrial financial models, valuation, debt, partnership/waterfall cash flows, acquisitions, development, value-add), Foundations of Real Estate (ULI – covers finance, investment, commercial properties, pro forma modeling, development), CEQA Practicum (AEP)
- **Honors/Awards:** Emerging Innovator, 2x UCSD PACE Scholarships, ERC Honors Program, Provost Honors, 36<sup>th</sup> URC

## EXPERIENCE

**QUALCOMM INSTITUTE** | Telecom and IT | La Jolla, CA

Jan 2024 – Present

**Applied AI & Junior Software Developer** (*Cognitive City Twins*)

- Implemented scalable data integration workflows using blueprints and structs in Unreal Engine 5
- Developed data viz apps using UE5 objects/instanced static meshes with dynamic spawning, scaling, georeferencing
- Implemented Cesium cartographic polygons, raster overlays, and color blending across material layers for tile coloring
- Integrated Google Maps API for a realistic global world as the base for visualization needs in real estate and urban planning
- Utilized Datasmith Exporter plugin to integrate Cesium in Unreal Engine with SketchUp Pro for property modeling
- Built interactive, 3D widgets to display property/urban data, emphasizing user experience and future VR integration
- Aggregated a large database of the San Diego-Carlsbad region data for future visualization in the cognitive city twins

**WORLD DESIGN ORGANIZATION** | Design Services Society | San Diego, CA

Jan 2024 – Jun 2024

**Housing Solutions Consultant & Designer in Residence** (*Science & Technology Network*)

- Advised the ADUGenius project on ADUs as an innovative housing solution, covering financing structures, tax benefits, saving strategies, building costs, ordinance adoption, setbacks, myths, designs, sustainability, and useful policies/programs
- Served a secretary role in meetings and correspondence between stakeholders from the United States, Mexico, the UC San Diego Design Lab, and impact project leads to assist San Diego-Tijuana international collaboration projects
- Performed administrative duties for the Science & Tech Network, including event coordination, media design, monthly updates to the World Design Capital committee, event MC/moderator at events with community members & project leads

**UC SAN DIEGO Urban Studies & Planning** | Academic Department | La Jolla, CA

Sep 2023 – Jun 2024

**Affordable Housing Research Assistant & Data Science Fellow**

- Reported affordable housing policy incentives and cost factors, emphasizing public improvements and tax incentives
- Networked with industry professionals to study affordable housing market feasibility, focused on LIHTC and ADUs
- Received sponsorship to network with SDGBC to study green building techniques and integration with affordable housing
- Programmed a bespoke algorithm to parse property data from CoStar into a tabular format for non-commercial purposes
- Applied statistics and machine learning on over 5000 LIHTC projects to derive factors influencing fund allocation
- Utilized analysis methods for social science: feature engineering, clustering, attribute stratification, marginal error analysis

## PROJECTS

**H2 Hillcrest** | Personal Project

A design-focused proposal for a state-of-the-art urban infill, mixed-use redevelopment project in Hillcrest, San Diego, to address walkability/ground-activation, housing, multimodal transportation, with strategic, active commercial uses for the local economy.

**D3 San Diego Multifamily Visualizer** | Team Project

A D3.js web app to answer the question “Which San Diego submarket for your next multifamily investment?”, data queried from CoStar is visualized on a choropleth map of San Diego, highlighting multifamily vacancy rates, built/renov. year, # parking/unit