

website
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ELIE SAYEGH

I am an engineer, a programmer, and a sour beer devotee. A career in structural engineering is challenging and a character shaper. Throughout, I developed a craze for particularity, and I learned to reduce a problem to a simple equivalent diagram. Mastering the field requires the intricate realization of material properties & behaviors, the visualization of 3-dimensional space, and an understanding of load path.

EXPERIENCE *starting with the most recent.*

Staff Engineer, Structural
Patel Burica & Associates
Summer 14 – Present

- **Concrete:** designed and managed post-tensioned mid-rise concrete structures. Management of project included meetings and coordination with Arch & MEP, plan check process and permitting, and construction administration which included shop drawings, RFI, and site observations.
- **Wood:** designed single family homes, tuck-unders, and mid-rise high-density apartments; the framing of the latter included a mild-exposure to steel design (one and two-story frames).
- **Programming:** automated the lateral analysis of high density residential construction **from data entry to drawing outputs** with a combination of speed and accuracy that is unmatched in our industry.

Engineering Intern
Terracon Consulting
Fall 13 – Summer 14

- Conducted a range of soil testing for the development of large solar and wind farms.
- Managed lab testing, equipment calibration and project data entry and analysis.
- Classified underlying site soils and concluded relevant properties.
- Wrote geotechnical drafts for the investigated project site.

Web/Android Dev.
Cal Poly Pomona
Spring 13 – Spring 14

- Designed and developed UCTC 2014 conference website and android conference mobile application.
- Lead a team of 15 students to organize, prepare, and conduct an academic conference involving over 10 universities and hundreds of researchers.
- Main achievement included a record attendance, an outstanding program, and an increased sponsorship.

EDUCATION

B.S. Civil Engineering
California Polytechnic University, Pomona
Summer 14

SKILLS

RISA	ADAPT	ETABS	Revit	AutoCAD	Office	VBA	JavaScript
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COMMUNITY

SEAOSC Member – 3yrs

Parking Structures

Uptown Village Parking Structure, Anaheim CA

5 stories / 4 elevated / PT flat slab / naturally ventilated

Delta Lane Parking Structure, Sacramento CA

5 stories / 4 elevated / PT flat slab / mechanically ventilated

Huntington Drive Parking Structure, Duarte CA

5 stories / 4 elevated / PT flat slab / mechanically ventilated

High Density Residential

Orangewood Apartments, Anaheim CA

5 Stories Wood Type III

Pacific Highland Ranch Apartments, San Diego CA

Stories Wood Type V

Jefferson Stadium Apartments, Anaheim CA

4 Stories Wood Type V

Uptown Newport, Newport Beach CA

4 Stories Wood Type V o/ Podium

Delaware Apartments, Santa Cruz CA

4 Stories Wood Type V o/ Podium

Alexan Millenia Mixed Use, Chula Vista CA

3 & 4 Stories Wood Type V w/ commercial space

Sur Apartments, Rancho Mission Viejo CA

3 Stories Wood Type V tuck-under

Single Family & Condos

961 Catalpa Rd., Arcadia CA

1726 2nd St., Arcadia CA

534 Workman Ave., Arcadia CA

905 W. Foothill Rd., Arcadia CA

995 Singing Wood Dr., Arcadia CA

1236 San Carlos Rd., Arcadia CA

125 La Rosa Rd., Arcadia CA

323-325 2nd St., Arcadia CA

30 Fano St., Arcadia CA