

# Liang Chow, PE

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## SUMMARY

Innovative, well-rounded geotechnical engineer on a mission to combat climate change through passion for problem-solving and design. Specializes in structure foundations, soil improvement, and seismic evaluation with lean project management practice across medium to large-scale projects. Thrives in fast-paced settings, leveraging strong communication skills, creative problem solving, and attention to detail to achieve team goals.

## EXPERIENCE

### HALEY & ALDRICH

**Geotechnical Project Manager** | Oct 2021 – Present, Walnut Creek, CA

**Assistant Radiation Safety Officer** | Jan 2022 – Jan 2023

#### Vallecitos Nuclear Reactor

- Led geotechnical site characterization and construction support, including heavy equipment staging and license transfer, for the \$480k nuclear decommissioning project.

#### 2029 University Tower

- Led comprehensive subsurface investigation, permitting, site-specific seismic evaluation, foundation and basement excavation design for the 23-story residential tower and off-site improvement project in downtown Berkeley

#### Avia Lab Life Science Center

- Served as Engineer of Record for design and construction phases to achieve \$787k NSR and 3.1 NEM while managing project deliverables, budget, submittals, RFIs, coordination, and overseeing field testing and inspection to meet California Building Code and local AJH requirements.

#### AMPORTS Pier 95 Reconstruction

- Managed geotechnical design work scope for the secured maritime facility over *Site Class E* condition, including developing work plan, multi-agency permitting coordination, site characterization, geologic review, geohazard assessment, and seismic analysis.

### AMERICAN ENGINEERING TESTING

**Geotechnical Engineer** | 2014 – 2021, St. Paul, MN

Aurora 150 MW Solar Frost Monitoring

- Investigated frost-jacking issues affecting solar tracker piles through sensors and instrumentation, climatic data analysis, and technical reporting to optimize design parameters for uplift mitigation.

#### Xcel Energy and various Utility and Street Improvement Projects

- Served as on-call geotechnical consultant for energy infrastructure projects, including substations, transmission lines, and underground utilities.
- Managed complete scope from site investigations (electrical resistivity testing, soil borings, CPT) to design recommendations, ensuring EPRI and OSHA compliance while provided support for drilled shaft foundations, horizontal drilling, pavements, grading and earthwork.

## EDUCATION

**University of Illinois at Urbana-Champaign (UIUC)**

MSc, Civil Engineering | 2014

**University of Minnesota – Twin Cities (UMN)**

BSc, Civil Engineering | 2011

## HONORS & AWARDS

**ACEC/MN Engineering Excellence**

**Grand Award** | For honoring exceptional, innovation, creative problem-solving projects | Eisenhower Bridge of Valor H-Pile Downdrag Monitoring Study | 2021

**NSF Graduate Research**

**Fellowship** | HM | Top 30 percent of applicants for the competition | 2020

## LICENSES & AFFILIATIONS

**Professional (Civil) Engineer** | MN (2016); CA (2022)

ASCE G-I Soil Improvement Technical Committee

Earthquake Engineering Research Institute (EERI)

Climatebase Fellowship

## SOFTWARE

CLiq • CPeT-IT • GROUP • LPILE • APILE • CAPWAP • GeoStudio • FLAC/FLAC3D