

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 without micromanagement.

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/excavation design for the 23-story residential tower in downtown Berkeley

Avia Lab Life Science Center

- Served as Engineer of Record for design and construction phases through lean project management to achieve \$787k NSR and 3.1 NEM while managing project deliverables, budget, submittals, RFIs, and QA/QC protocols to meet California Building Code and local AJH requirements.

AMPORTS Pier 95 Reconstruction

- Managed, reviewed, and planned for design work scope, including geotech work plan, site characterization, geologic review, geohazard and seismic study, permitting, and site access to the secured maritime facility.

AMERICAN ENGINEERING TESTING

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

Aurora 150 MW Solar Frost Monitoring

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

White Bear Lake Area Schools (ISD 624) Expansion Project

- Served as geotechnical consultant for the largest school bond referendum in Minnesota history (\$326M), managing the full scope of work from permitting and reporting to design recommendations. Provided geotechnical support for building foundations, stormwater management, storm shelters, underground utilities, and pavements for A/E, and contractors.

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 in
MN (2016); CA (2022)

ASCE Geo-Institute Soil
Improvement Technical Committee

Earthquake Engineering Research
Institute (EERI)

Climatebase Fellowship

INTERESTS

Sailing • Climbing • Coffee • Self-improvement • Foreign Affairs