

Karilin Yiu

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Education

Bachelor of Science, Civil Engineering | GPA. 3.397 | Chi Epsilon **05/2021**
University of California, Berkeley

Work Experience

Engineering Assistant, BKF Engineers, Redwood City, CA **6/2019 - 8/2019**

- Provided quality control for civil plans and exhibits to ensure uniformity, legibility, and constructability.
- Analyzed wet and dry utility as built for location, identification, and invert elevation calculations.
- Procured grading and drainage values for Storm Water Management Plans at pervious and impervious conditions.
- Verified vehicle turning ability by performing truck turning exhibits on AutoTurn.
- Drafted typical and project details in compliance with City of Mountain View and City of Sunnyvale standards.

Intern, Webcor Builders, SFO Boarding Area B, San Francisco, CA **5/2018 – 8/2018**

- Spearheaded documentation of RFQ's for missing scopes, RFI's, submittals, and change orders.
- Coordinated site logistics for airside work and weekly delivery requests with SFO airport officials for all civil trades.
- Presented instructional sessions for Smartvid.io and BIM 360 project IQ safety software to Webcor executives.

Intern, San Francisco Public Utilities Commission, San Francisco, CA **6/2017 – 8/2017**

- Implemented PeopleSoft Financial Management System with Contracts Administration Bureau.
- Processed invoices and task orders for construction and professional service contracts.

Tutor, UC Berkeley College of Engineering, Berkeley, CA **8/2017 – Present**

- Perform individual and group tutoring in calculus, solid mechanics, geology, sustainable systems, and data analysis.

Leadership Experience

Project Manager, Sustainable Solutions Competition Team, Berkeley, CA **8/2018 – Present**

- Oversee all project operations and compliance to ASCE national competition standards and material specifications.
- Implement quality management system for planning, fabrication, documentation, and inspection.
- Recruited and balanced a budget for over 30 students to attend competition.
- 3rd Place ASCE Sustainable Solutions Competition 2019.

Assistant Construction Manager, Cal Steel Bridge Competition Team, Berkeley, CA **8/2018 – Present**

- Develop construction sequence and tools to maximize assembly speed and safety.
- Analyze structural element optimization and integrity for meticulous fabrication and construction of steel bridge.
- 6th place Nationals AISC Student Steel Bridge Competition 2019.

VDC Team Lead, Cal Construction ASC Competition Team, Reno, NV **8/2017 – Present**

- Facilitate the coordination of 3D site logistics, 4D schedules, and 5D estimation for various scopes.
- Coordinate weekly meetings and advanced VDC challenges with industry coaches and members.
- 2nd Place National ASC Virtual Design & Construction Competition 2020 – Team Lead and Scheduler.

Mentor, First Generation Mentorship Program Berkeley, CA **8/2019 – Present**

- Mentor students for increased professional development, campus acculturation, academics and social awareness.
- Mitigate academic and social challenges faced by first generation students through staff support and workshops.

Skills

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- Software: AutoCAD, Civil 3D, AutoTurn, Revit, Bluebeam, Synchro, Navisworks, Matlab, Python, Photoshop
 - Languages: Proficient in Cantonese and Spanish