

# Jason Tandoc

(714) 981-6452 | jtandoc@cpp.edu | linkedin.com/in/jtandoc/

---

## Education

**California State Polytechnic University, Pomona | Pomona, CA**  
Bachelor of Science, Civil Engineering

August 2020 – June 2024  
Class Level: Junior

---

## Skills

- Excel/VBA, MatLab
- MicroStation, Bluebeam
- AutoCAD, Civil 3D
- WaterCAD

---

## Coursework and Projects

**Surveying Engineering: Topographic Map of Engineering Meadow** Fall 2021

- Collaborated in a group performing fieldwork using a total station to traverse fields in a meadow on campus, and find elevations of local points
- Transfer surveyed data points to Civil 3D to produce a topographic map

**Civil Engineering Materials: Concrete/Asphalt Mixture Labs** Fall 2022

- Determine particle size of different aggregate mixes by completing sieve analysis
- Batched various types of concrete and asphalt to meet specifications and standards
- Analyzed concrete and asphalt samples using compression machine, slump test, flexural testing machine, Marshall hammer, Humboldt Load machine, compressometer, Vicat needle, mortar cubes

**Fluid Mechanics: Water/Piping Systems for Residential Areas** Fall 2022

- Determined optimal size and location of water tank for community in Nicaragua
- Designed water transmission main for residential area in California and created water network analysis using WaterCAD
- Planned a pumping system using pump performance data and system curves to select desirable pump
- Completed projects in accordance with design criteria specified by Western Municipal Water District

**Geotechnical Engineering:** Spring 2023

- Completed desk study with group on project site to determine existing seismic hazards and estimate depth to groundwater
- Obtained bulk samples with hand-augering equipment, undisturbed samples using a thick-wall sampler, and prepared a final boring log
- Performed moisture content test, and determined in situ unit weight of undisturbed boring sample
- Executed Atterberg Limits test using 100g sample of disturbed soil
- Conducted consolidation test with undisturbed sample using consolidometer cell and loading frame

---

## Intended/Planned Courses

- Construction Engineering; Estimating; Construction Project Management and Accounting; Contracts
- Structural Analysis; Structural Design Reinforced Concrete
- Foundation and Retaining Wall Design; Transportation Engineering