

Matias Chaij, ENV SP

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CAREER SUMMARY

Matias is a Student at Cal Poly Pomona, majoring in Civil Engineering. He transferred from Mt. SAC to CPP in Fall 2022. His expected graduation is Summer 2024. Matias has worked as an intern for WSP USA for 1.5 years, using AutoCAD Civil3D, Flowmaster, WaterCAD, and Microstation InRoads to aid the design team in producing designs including but not limited to: Roadway Improvements, Water Distribution and Sewer Collection Systems, Site Development and Grading and Drainage Design for public and private improvements. Matias also has worked as a land surveyor for six years as a Rodman and Party Chief for field works including Topographic Surveys, ALTA surveys, Boundary Determination, control setup for Aerial-Photogrammetry Surveys, and construction staking: using engineering design plans to set stake points contractors use for construction. Matias has also used AutoCAD Civil3D to develop Topographic Maps and Legal Plats, and has developed survey cost proposals, all under the supervision of a licensed Surveyor in the state of California. Matias is currently looking for an entry level position in Civil Engineering.

EDUCATION

California State Polytechnic University, Pomona

August 2022 – August 2024

Pomona, CA

Major: Civil Engineering, General Option

Expected Graduation: Summer 2024

Mt. San Antonio Community College

August 2019 – June 2022

Walnut, CA

Major: None/Transferred to CPP

RELEVANT EXPERIENCES

Civil Engineer Intern, WSP USA

February 2023 – Present

- Aide the engineering team to design water lines, storm drains, sewer lines, site developments, local roadways and highways, and facilities.
- Procure street plans, traffic plans, water, storm drain, and sewer plans, site plans, rough and precise grading plans, erosion control plans, and various exhibits to present to clients, public entities, and contractors working with the company.
- Use various programs to create and edit models, surfaces, profiles, corridors, pipe and pressure networks, plan objects, details sheets, and sheet sets.

Land Surveyor, Elias Chaij, P.L.S. 8908

June 2016 – February 2023

- Completed Land Survey Works as Rodman and, as of 2020, Party Chief.
- Field Works included construction staking, topographic surveys, American Land Title Association Surveys or ALTA surveys, boundary determination, control setup for aerial mapping.
- Worked on AutoCAD Civil3D for tasks such as data processing, contour mapping, topographic survey rendering and mapping, post staking mapping and adjustments.
- Conducted monument, benchmark, boundary, and records research prior to jobs.
- Assisted in planning and execution of planning for jobs and tasks to be completed on site in coordination with engineers, contractors, and supervisors.
- Aided in putting together cost proposals for Topographic Surveys.

Clubs/Organizations: American Society of Civil Engineers, CPP student Chapter.

Professional Certifications: Envision Sustainability Professional.

TECHNICAL SKILLS

- AutoCAD Civil 3D; Microstation; FlowMaster; WaterCAD; Microsoft Word; Microsoft Excel; Microsoft PowerPoint.
- Can derive data from plan drawings, and Survey Records.
- Collaborative and team oriented.