

CHAD MURPHY

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EDUCATION

Bachelor of Civil Engineering With Emphasis on Environmental Engineering

California State Polytechnic University, Pomona

Spring 2023

GPA 3.4

COURSEWORK

General Chemistry and Lab

Civil Engineering CAD I & Lab

Civil Engineering CAD II & Lab

Physics III - Intro to Electromagnetism and Circuits & Lab

Fluid Mechanics

Surveying Engineering and Lab

Water and Wastewater Engineering and Lab

LABORATORY SKILLS

Design and application of CAD Microstation

Design and application of AutoCAD

Density testing

Gravity filtration

Suction filtration

Design work of water treatment and wastewater plants

Water quality tests including BOD, DO, Solids, Coliform, and Alkalinity tests.

PROJECTS

Water Treatment Facility Design Project

Designed a theoretical water treatment plant for the city of Palmdale. It was designed, pumps and impellers were selected and priced, and a cost estimate breakdown was created.

Worked in a team of 4 to meet multiple deadlines and bring the designs of each stage of the plant into 1 complete water treatment plant.

AutoCAD Surveying Project

Surveyed and used topography to map the engineering meadow at Cal Poly Pomona

Worked in a team to complete multiple steps of the project

AutoCAD Design Project

Used AutoCAD to design and create top views, profile views, and 3D designs for coagulation tanks, flocculant tanks, sedimentation tanks, and dual media filters for a water treatment plant.

COMPUTER SKILLS

PC and Mac systems, MS Word, Excel, Powerpoint, CAD Microstation, AutoCAD; Internet Applications