

Wyatt Conner | Mechanical Engineer EIT



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<http://wyattsconner.com/>

Education

GPA: 3.71

Master of Science: Mechanical Engineering California Polytechnic State University, San Luis Obispo CA, Expected graduation June/18/2023

Bachelor of Science: Mechanical Engineering California Polytechnic State University, San Luis Obispo CA, Expected graduation June/18/2023

Associates of Science: Engineering Hartnell Community College, Salinas CA, 2019

Experience

Teaching Associate Sept 2022 – Mar 2023, San Luis Obispo, CA, California Polytechnic State University. I taught Intermediate Dynamics Activity for the 2022 Fall and 2023 Winter quarters. Taught and evaluated students on how to apply MATLAB to simulate complex dynamic problems. Problems included a Car Suspension, Three Bar Mechanisms, and a Falling Trebuchet. I developed a project for students to learn how to model the kinematics and kinetics of a bike pedal and a human leg using MATLAB.

Client Services Technician June 2022 – Sept 2022, San Luis Obispo, CA, California Polytechnic State University. I worked as an Information Technology (IT) specialist for the College of Liberal Arts, Business, and Agriculture at California Polytechnic State University. I was responsible for scheduling and communicating with clients for meeting their technology needs. I problem-solved clients' issues in the most streamlined way possible to solve their technology issues swiftly.

Mechanical Engineering Intern Oct 2021 – June 2022, San Luis Obispo, CA, Boost Treadmills. At this position I was responsible for scheduling and completing calibration, and maintenance on the company's prototype of an Anti-Gravity Treadmill. Additionally, I created technical documents for installation, assembly, and a user manual for the treadmill. Lastly, I improved the water resistance of the motor enclosure of the lift columns of the treadmill by rapid prototyping with Solid Works and a 3D printer.

Quality Assurance Intern May 2019 – Sept 2019, Monterey, CA, Cyber Data. I procured and implemented an IP-66 (water-proof) test for Cyber Data's outdoor electronic housings. I documented the process so it could be repeated or improved in the future. With the results of the IP-66 tests, I help implement design changes to the housing to improve its performance of its water resistance.



Projects & Activities

Mechatronics Projects 2021-

2023: Fully developed a ball balancing robot, a polar coordinate drawing robot and a bench spotting robot for multiple Mechatronic Courses.

NCAA Division I Athlete 2019 –

2022: Competed for the Cal Poly Track and Field team, in the field events of Shotput and Hammer. Held the 10th place record in hammer during the 2021 season.

Senior Project 2021-2022: I

developed and managed a project for a Triple Spool Turbine Model for lab use to teach the controls to students.

Skills

- Solid Works (GD&T)
- EAGLE PCB Design
- MATLAB, Simulink
- Python
- Technical Writing
- Mechanical Design
- Firmware Development
- Controller Design

Learning

- C++
- Finite Element Analysis (FEA)
- Computational Fluid Dynamics (CFD)
- Engineering Project Management
- Optimal Control Design