

# GARRETT LENOCKER

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## EDUCATION

**California State University, Fullerton** - B.S. Mechanical Engineering (May 2028) - GPA: 3.5

01/2024 - 06/2025: Orange Coast College

08/2023 - 12/2023: University of Arizona

06/2023 - Graduated Lutheran High School Orange County

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## PROFILE

- **Engineering and Hands-On Problem Solving** - Passionate about mechanical engineering and hands-on projects, including restoration and design.
  - **Analytical and Design-Oriented Thinker** - Skilled at translating complex concepts into practical applications, with experience in 3D modeling, circuit design, and data analysis for engineering projects.
  - **Team Collaboration & Leadership** - Proven ability to lead and collaborate on engineering projects, including managing teams and troubleshooting design challenges.
  - **Customer Service & Hospitality Experience** - Strong problem-solving and communication skills, ensuring high-quality customer experiences.
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## SKILLS

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|--------------|-----------|---------------|----------------------|
| • Auto CAD   | • MATLAB  | • Photography | • Adobe Applications |
| • SolidWorks | • Arduino | • Videography |                      |
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## PROJECTS

**CSUF Baja SAE • 09/2025 - Present**

- Assisted seniors with suspension kinematics (2D and 3D) in SolidWorks, preparing for manufacturing.

**Personal Project - 1983 Porsche 944 Restoration • 04/2024 - Present**

- Purchased a non-running 1983 Porsche 944 and now independently diagnosing and rebuilding the engine, and redoing the interior, with an estimated completion timeline of 24 months.
- Researching and sourcing replacement parts, saving costs by 12% compared to market value.

**Academic Project - Solar Tracker • 10/2023 - 11/2023**

- Collaborated with a team of 6 members to design and build a single-axis solar tracker.
- Placed the solar panel on a servo motor, between the two arms of the 3D printed base, with 2 photoresistors on either side of the solar panel, to gain the difference in voltage based on the position of the sun. Wired the motor and photoresistors to an Arduino Uno using a breadboard and wires with the power input coming from the USB of the computer.
- Low cost of \$61.71 spent on the materials to construct the solar tracker. Had errors in the code with calibrating the 2 photoresistors, and with more time, would have troubleshooted the issue and fixed the calibration of the photoresistors.

**Academic Project - Solar Oven • 09/2023 - 10/2023**

- Led a 6 member team to design and construct a low-cost solar oven, achieving an internal temperature of 165°C despite suboptimal weather conditions, successfully baking a biscuit.
  - Organized group meetings and facilitated the distribution of work among the group. Used formulas to predict the temperature our oven would reach based on our box dimensions.
  - With a predicted temperature of 205.18 °C, the weather only allowed the internal temperature to reach 80% of its potential at 165 °C. Saved 90% on cost to construct, spending \$5 on materials that would typically cost at least \$50 to produce the same outcome.
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## WORK EXPERIENCE

**Concierge - The Westin Anaheim Resort (AAA Four Diamond Hotel) • 07/2022-06/2023 & 03/2024-Present**

- Resolve an average of 5-10 Guest concerns per shift, ensuring prompt solutions to create a great Guest experience.
- Collaborate with a team of 9 Concierges and other hotel staff to deliver high-quality service.
- Provide personalized assistance to 20+ VIP Guests per week, coordinating special requests and accommodations.