

Garrett Kunkler

3rd year honors student at California Polytechnic State University, San Luis Obispo, seeking internships and research opportunities where I can leverage my interests in engineering physics, robotics, and computer science.

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EDUCATION

Cal Poly SLO — GPA 4.0 Sep 2021 - (Spring 2025)
Major: B.S. Mechanical Engineering
Minors: Mathematics, Physics
University Honors Program

Relevant Coursework

Dynamics, Mechanics, Linear Analysis, Calculus, Circuits
Thermodynamics, Fluids, Modern Physics, Data Structures

League of Amazing Programmers Aug 2017 - Sep 2021
Received Java SE8 Oracle Certification

WORK EXPERIENCE

Yaskawa Engineering Intern Jun 2023 - Sep 2023
Embedded robot controller programming for data integration
Kinematics derivations and microservice communications
1D displacement laser measurements and hypothesis testing

Defispot Software Intern Aug 2022 - Sep 2022
Design changes on app.defispot.com in Typescript and Javascript
Backend improvements to user trading data access

ScoreStream Contract Programmer Jul 2022 - Sep 2022
Used API to compile future sports game data into pick'em forms

Physics Learning Assistant Jan 2023 - Present
Facilitate student discussions and grade assignments

PROJECT EXPERIENCE

Herbie Robotics Project Jan 2023 - (Dec 2023)
Building trailer for educational meetings with local preschoolers
Applied for and awarded grant funding

Personal Programming Projects Aug 2017 - Present
Physics Monte Carlo Simulations, Language Parsing

SKILLS

Programming: Java, Python, MATLAB, Typescript/React, C#, IEC 61131, GitHub, LaTeX, Rust, Linux

Graphics: Adobe Premiere Pro, Adobe After Effects, Adobe Illustrator

3D Modeling & Printing: CAD (SolidWorks, Onshape), Blender, Cura

Conversational Japanese

CERTIFICATIONS

Oracle Certified Java SE8

CLUBS

Cal Poly Robotics Club
Cal Poly JSA

INTERESTS

Music: Cal Poly Wind Ensemble (Trumpet), Piano, Guitar, Composition

Sports: Ultimate Frisbee, Backpacking, Climbing

Games: Chess, MTG, D&D