

DEVIN ARIAS FLORES

(831) 498-3959 | edudeviniariass@gmail.com | Watsonville, CA
English & Spanish (Bilingual)

WORK EXPERIENCE

Independent | Freelance CAD Designer & Consultant **2024 – Present** | **Aptos, CA**

- Designed and delivered custom 2D technical drawings and 3D mechanical parts in Fusion 360 and AutoCAD for students, faculty, and campus clubs
- Fulfilled professor and club requests for precision components, producing fully dimensioned drawings with GD&T annotations ready for fabrication
- Translated verbal or sketch-level requirements into manufacturable CAD models, iterating quickly on client feedback to meet tight academic deadlines
- Leveraged hands-on machining knowledge (CNC, lathe, mill) to design parts optimized for real-world manufacturing constraints

AutoZone Aug. 2024 – Nov. 2025

Parts Sales Associate **Watsonville, CA**

- Diagnosed automotive issues and matched customers with the correct parts, requiring strong technical knowledge and systematic troubleshooting
- Communicated complex mechanical concepts clearly to customers with varying levels of technical background
- Processed commercial fleet orders and maintained accurate inventory in a high-volume retail environment

Graphics Designer, August 2020-September 2025

- 3D modeling and rendering in Blender. Graphic design and photo editing in Photopea.

EDUCATION

Cabrillo College, Expected 2028

Aerospace Engineering · Honors Program **Watsonville, CA**

- GPA: 3.7 — Completed Calculus I–III, Physics 4A (Mechanics), ENGR 5, ENGR 12 (Machining Processes)
- CS 11: Computer Science — Python and C++ programming, algorithms, and data structures
- Selected for the Cabrillo Engineering Abroad Program through a competitive interview

ENGINEERING PROJECTS

Internal Combustion Engine Assembly: Fusion 360 ENGR 12, 2026

- Designed and modeled a multi-part engine assembly (cylinder, crankshaft, flywheel, engine base, main body) in Fusion 360
- Produced technical drawings with GD&T standards and transitioned designs into CAM toolpaths for CNC machining

3D Modeling & Rendering: Blender **Personal** Projects

- Created original 3D models with photorealistic renders using Blender's modeling, lighting, and material systems
- Developed spatial reasoning and design visualization skills applicable to engineering and product design

TECHNICAL SKILLS

- **CAD / 3D Modeling:** Fusion 360 (part design, assemblies, technical drawings, CAM), Blender (modeling & rendering)
- **Programming:** Python, C++
- **Machining:** Manual lathe, milling machine, CNC lathe, CNC mill
- **AI & Data:** RLHF annotation, AI model evaluation, structured data analysis
- **Math & Physics:** Calculus I–III, multivariable optimization, vector calculus, classical mechanics, experimental data analysis
- **Design & Media:** Photopea (graphic design), content creation, technical writing
- **Languages:** English (fluent), Spanish (fluent)

HONORS & ACTIVITIES

- Cabrillo Honors Program: enrolled in advanced academic track with enriched coursework
- Cabrillo Engineering Abroad Program: selected through a competitive interview process

- Freelance Graphic Designer: client work using Blender and Photopea
- Community Service: food donation programs and church-based volunteer work