Ashton Pugh

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EDUCATION
- San Diego State University, College of Engineering — San Diego, CA
- Bachelor of Science in Mechanical Engineering, Expected May 2027
- GPA: 3.20

WORK EXPERIENCE

Engineering Intern
Discovery Land Company – Austin, TX
- Supported a first-of-its-kind surf pool and residential build on the owner's side.
- Conducted jobsite walks, verified work, and collaborated with contractors.
- Managed spreadsheets for payments, inspections, and meeting minutes.
- Completed material takeoffs and produced approved CAD drawings for field implementation.

Barista
Arvo Café – Waimea, HI
- Managed store operations, prepared orders, and provided customer service.

Retail Associate
Surf Camp – Waimea, HI
- Assisted customers, handled inventory, maintained store appearance.

TECHNICAL SKILLS

• SolidWorks • MATLAB • Procore • Bluebeam • Material Takeoffs • RFIs • Submittals • Arduino • Circuit Design • Embedded Systems • Machining • 3D Printing • Hand Soldering

PROJECTS

Drive Safe – Capstone Project (Founder & Lead)
- Founded and led a community-based capstone initiative focused on reducing e-waste and improving digital access.
- Designed and implemented processes to securely destroy or recover data, then refurbished functional devices.
- Trained student volunteers in basic computer repair and handling practices.
- Refurbished and donated 100+ computers to underserved communities, including families in the Philippines.

CAD Assembly – Kant-Twist Clamp (ME 190)
- Modeled key components in SolidWorks and created full drawing package with BoM and exploded views.

LEADERSHIP & ACTIVITIES
- Founder, High School Computer Repair Team: Repaired computers and taught troubleshooting skills.
- Senior Leader, High School Lacrosse: Mentored younger players and fostered a positive team culture.

INTERESTS
Chess • Surfing • Skateboarding • Engineering Projects • CAD Design • Basketball • Football