

Ashton Pugh

Austin, TX 78703 | (737) - 222 - 0535 | Pughashton2004@gmail.com

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
- Microcontrollers (Arduino), circuit design, embedded systems
- Machining, 3D printing, and 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