

Dylan Banera

San Jose, CA (relocating to Asheville, NC) - tbdmto.com
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TECHNICAL SKILLS & EXPERTISE

- **3D Printing & Additive Manufacturing** – Skilled in **FDM, SLA, SLS, and metal powder bed fusion (LPBF)** with expertise in **DFAM (Design for Additive Manufacturing)**. Proficient with **Formlabs (Form 4/3/3B, Fuse 1/1+30w), Stratasys, HP, Bambu Lab, Prusa, Creality, Elegoo**; Klipper firmware
- **Metal AM** – Designing for aluminum LPBF with **generative design** and **TPMS/gyroid lattices**; polymer proof prints before metal builds, print bureau sourcing, and **hybrid AM + CNC machining**
- **CAD/CAM Design & Engineering** – Advanced proficiency in **Fusion 360 (parametric, surface, generative)** and **Mastercam** for precision modeling and manufacturing workflows; **GD&T**
- **Machining & CNC Operations** – Experienced in **CNC setup and CAM toolpath creation**, including edge-finding, work/tool offsets, and **G-Code hand programming**. Skilled in **manual milling, turning, and blueprint reading**. Hands-on with **Haas, Kitamura, and Bridgeport**

EXPERIENCE

Industry Nine, Asheville, NC - Incoming Intern

Starting Fall 2026

- 8-month internship with the U.S. manufacturer of machined bicycle hubs, wheels, and components

Peak Technology, San Jose, CA - 3D Printing Technician, Additive Mfg. Unit

June 2026 - September 2026

- Ran and maintained a **multi-process print fleet** (Form 3/3B SLA, Fuse 1 SLS, Creality K1-series and Orange Storm Giga FDM, Elegoo), including post-processing, for OEM customer jobs
- Built a **three-process cost model (SLA/SLS/FDM)** amortizing machine time, material, and consumables (nozzles, build plates, Bowden tubes) to an hourly rate for quoting
- Authored the unit's **capabilities guide, DFAM reference docs, and print-setup SOPs** (CRM job intake, machine prep, job tracking)

TBD Bikes (DYBtech LLC), San Jose, CA - Founder & Frame Designer

March 2025 - Present

- Designed a rideable dirt jump frame **3D printed almost entirely in aluminum**, with **generative-design** head tube and BB junctions, **TPMS lattice** tubes, and **CNC-machined** dropouts; proofed sections in polymer before metal
- Went from concept to assembled metal prototype in **under 5 months** via an overseas print bureau; shown at **MADE Bike Show 2025** (Wolf Tooth booth) and **Sea Otter Classic 2026**
- Built a V1 frame of **Nylon 12 lugs bonded to carbon tubes in 12 days** for Sea Otter 2025; work featured in **Pinkbike, Bikerumor, and All3DP**

Sports Basement, Campbell, CA - Sales Staffer/Associate

October 2024 - March 2025

- Independently ran the rental and customer service desk during staff shortages and breaks

EDUCATION

De Anza College, San Jose, CA - Design & Manufacturing

Technologies July 2024 - Present

- **Completed Manual Machining, CNC Setup, and GD&T; President, 3D Printing Club**

Leigh High School, San Jose, CA - GED

August 2022 - March 2025