

Rafael Bernstein | Philadelphia, PA

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EDUCATION

**Drexel University | 3.82 GPA | BS Product Design | Expected graduation: July 2026
Philadelphia, PA**

Relevant Courses Include:

- Mechanical Behavior of Materials for Product Design
- Applied Materials in Product Design
- Computer Aided Imaging in Product Design
- Design for Manufacturing

WORK EXPERIENCE

**Machine Operator and Quality Control | January 2023 – June 2023
Production Specialties, San Francisco, CA**

- Operated CNC vertical mill during production of parts, such as: engine blocks, pistons, agricultural processing machinery
- Checked parts to ensure they met customer dimensional specifications
- Wrote G-code programs for CNC vertical mill

**Design Tutor | May 2022 - July 2022
San Francisco, CA**

- Introduced Fusion 360
- Taught design concepts such as tolerancing and parametric modeling
- Created original curriculum on subjects such as designing useful objects
- Taught proper maintenance and upkeep of 3D printer

**Sales Associate | May 2022 - July 2022
REI, San Francisco, CA**

- Assisted customers with checkout and processed payments
- Helped guide customers to products in store
- Restocked products to store floor

**Manufacturing Intern | May 2021 - June 2021
Standard Metal Products, San Francisco, CA**

- Operated CNC machine, lathe, drill press, mill, and waterjet
- Designed toolpaths for waterjet from customer schematics
- Produced project proposals for clients including pricing
- Managed invoicing and tracked customer payments

**Shop Assistant | May 2019
Standard Metal Products, San Francisco, CA**

- Trained to operate CNC machines in larger production runs
- Trained to operate lathe, drill press, and mill; organized materials and sorted tooling

SKILLS

- Experienced operator of tools such as CNC mill, waterjet, lathe, manual mill, drill press, belt sander, bandsaw, and welder
- Extensive experience with 3D design software and additive manufacturing (Fusion 360, SolidWorks, Keyshot, Rhino, Simplify3D, Meshmixer, PrusaSlicer)
- Full proficiency of Adobe CC (Photoshop, Illustrator, InDesign)
- Proficient with OMAX Layout, writing G-code, Microsoft Word, Excel, PowerPoint, iMovie, Quickbooks, Internet research and social media