

Rhonin Faruqi

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EDUCATION

UC Santa Barbara

Santa Barbara, CA

Combined BS/MS Mechanical Engineering Program (GPA: 3.84, Dean's Honors)

September 2022 - June 2027

- Relevant Coursework: GD&T, Mechatronics, Machine Shop, Statics, Materials, Dynamics, CAD & Design, Thermodynamics(I and II), Fluid Mechanics(I and II), Junior Capstone, Senior Capstone
- Dual specializing in Control Systems and Design

WORK EXPERIENCE

Mechanical Engineering Intern

June 2025 - September 2025

Plantd Oxford, NC

- Collaborated on manufacturing and production solutions to enhance cost efficiency and commercial viability
- Assisted in daily manufacturing operations, ensuring smooth workflow and adherence to quality standards
- Developed CAD models and structural analyses for new projects
- Redesigned and improved issue tracking software to enhance problem assessment and resolution
- Created data visualization dashboards for tracking machine input, output and waste creation

Engineering Intern

June 2024 - September 2024

West Coast Catheter Redwood City, CA

- Designed, 3D printed and used 15 custom testing jigs to collect data on proprietary catheter technology
 - Created and organized company's entire database of engineering drawings using Solidworks
 - Assembled and operated biomedical testing equipment and machines for catheter creation and data collection
 - Gained experience in the startup environment, worked closely with CEO
- *West Coast Catheter is a small biomedical startup seeking to revolutionize the catheter industry with their proprietary Conform® technology

Semiconductor Wafer Bonding Assembly

March 2025 - June 2025

UCSB Nanofabrication Laboratory Goleta, CA

- Designed 3D models, drawings and assemblies for high temperature bonding of semiconductor wafers to be used by the entire laboratory
- Coordinated with international suppliers and manufacturers to ensure production quality

OTHER EXPERIENCE

Chess Instructor/Coach

September 2024 - June 2025

Academic Chess Santa Barbara, CA

- Taught young students fundamental chess rules and strategy
- Successfully managed groups of 20+ students

Robotics & 3D Printing Instructor

June 2024 - August 2024

iDTech Palo Alto, CA

- Taught students 3D modeling with Blender, operation and maintenance of 3D printers
- Guided students through an introduction to design and operation of simple robots

SKILLS

- CAD Software: Solidworks, Onshape, Blender, Autodesk Fusion, COMSOL
- Technical Languages: MATLAB (Fluent), Arduino (Fluent), Java (Fluent), Python (Fluent), Bash (Fluent)
- Manufacturing skills: 3D Printing, CNC, Lathe, Bandsaw, Drill Press,
- Oscilloscope, Digital Multimeters
- Other Software: Microsoft Excel, Google Sheets, Wix, Ultimaker Cura
- Languages: English (Fluent), Spanish (Conversational)

PROJECT PORTFOLIO

<https://www.rhoninfaruqi.com>

