**Isabell Kossar**

San Francisco, CA ● Isabellkossar@gmail.com

**EDUCATION**

**Tufts University, Medford MA – Mechanical Engineering B.S. 2023+**

3.75 GPA. Dean’s List.

*Classes*: Introduction to Mechanics, Materials and Manufacturing, Chemistry 2, Differential Equations, MATLAB Engineering, Introduction to Biology, Reproductive Engineering.

*Activities:* Engineering without Borders, Tufts Biomedical Engineering Society*,* Bangin’ Everything at Tufts, Climbing Team

**Burlingame High School,** Burlingame CA **2021-2023**

4.39 GPA Weighted. 3.97 GPA Unweighted. Member of National Honors Society.

**SKILLS**

Technical Skills: Proficient in Microsoft Excel and PowerPoint. Working knowledge of accounting principles and accounting systems such as QuickBooks. Basic knowledge of programming in Python and data analysis and modeling in MATLAB. Experienced in design of company materials such as website, logo, and PowerPoint template design. Working knowledge in CAD in SolidWorks and AutoCAD, fabrication by laser cutting, water-jetting, injection molding, and sand casting.

Laboratory Skills: Training in pipetting, basic laboratory techniques, biomaterials and silk processing, cell culture, 3D printing, bioreactor mechanics, and tensile testing.

**PROFESSIONAL EXPERIENCE**

**Sokolov Lab at Tufts University –** *R&D Assistant, Medford, Massachusetts*  **10/24+**

* Research areas of nanomaterials, mechanical engineering, and biology
* Designed experiments to test how hair breakage is impacted by salinity
* Conducted experiments, performed analysis, and interpreted material tests with hair types using an Electropuls tensile testing machine

**The Kaplan Lab @ Tufts University –** *Research Aide, Medford, Massachusetts* **1/24 – 5/24**

* Research areas: tissue engineering, biomedical devices, biopolymer engineering, cellular agriculture, and neuroscience
* Ran tests for silk 3D brain tissue model in TBI experiments
* Received training in basic biomedical engineering laboratory procedure

**GGTG Biosciences** *– Scientific Research and Graphic Design Intern, Burlingame*, CA **6/22 - 9/22**

* Research potential target assets in biotechnology companies for GGTG Biosciences to acquire
* Create slideshow decks to present to CEO and other biotechnology companies
* Draft and send letters to biotechnology companies to acquire potential assets
* Create company website, logo, and slideshow decks

**First Principles Advisory** *–* *Accounts Payable and HR, Burlingame, CA* **1/20 – 8/22**

* Accounts payable duties include tracking employee hours, sending invoices to clients, updating Quickbooks
* Human resources filing and compliance

**Youth Economics Initiative** *– Leadership Outreach Associate and Accounting Assistant, San Jose*, CA **4/21 - 4/23**

* Bookkeeping for the annual EconOlympiad and EconBowl student economics competitions
* Acquire funding through grants and fundraising partnerships with major companies

**Hacienda Mateo, WWOOF –** *Volunteer, Lamas, Peru* **6/24 – 7/24**

* Designed production processes for coconut oil, soaps, and other natural products from raw materials on an organic farm in the Amazon
* Built houses for an ecological community housing project including architectural design, electricity, and construction

**Pizzeria Delfina** – *Server, Palo Alto, CA* **1/23 – 6/24**

▪ Serving upwards of sixteen tables at a farm-to-table Napoletana-style restaurant

▪ Acquired extensive knowledge of Italian ingredients, farms, and sourcing methods

▪ Planned and designed seating floor plan for restaurant

▪ Managed corporate events for upwards of one hundred people