

Alisa Mizukami

alisamizukami@gmail.com | New York City | Portfolio: AlisaMizukami.com

WORK EXPERIENCE

Project Engineer - Project Controls · New Line Structures · New York, NY Feb 2022 – Sep 2024

- Developed and maintained detailed project schedules for high-budget construction projects, managing four ongoing projects and supporting five proposal bids with realistic, efficient timelines.
- Analyzed and forecasted cash flow trends to support financial planning and ensure alignment with the schedule, identifying delays and justifying unexpected invoice variances.
- Managed monthly invoicing processes, ensuring accuracy, transparency, and timely delivery to clients.

Engineering Fellow · NYC Office of the Comptroller · New York, NY Jun 2021 – Dec 2021

- Compiled and authored reports evaluating the validity of disputed construction work by reviewing contracts, interviewing involved parties, and analyzing evidence to propose a resolution to the Bureau of Law and Adjustment.
- Calculated cost estimates for construction work to determine fair resolution amounts.

Fluid Mechanics Research Assistant · Research Foundation of CUNY · New York, NY Sep 2017 – May 2020

- Researched computer simulation techniques to validate experimental data and predict outcomes of alternative experiment configurations, minimizing the time and effort required for physical testing.
- Created written and video tutorials to help students learn unfamiliar simulation software, providing accessible learning materials beyond standard coursework.

VOLUNTEER WORK

Mechanical Engineer · Level The Curve · New York, NY May 2024 – Present

- Collaborate with individuals with disabilities to design and produce assistive devices, managing the full development cycle from concept through production and user integration.
- Optimize product designs to lower costs and streamline manufacturing, making devices more affordable and feasible to produce.

SKILLS

- **Project Management:** Procore, Primavera P6
- **Design & Simulation:** SolidWorks, Fusion 360, ANSYS Mechanical, ANSYS Fluent
- **Languages:** Japanese (Native)
- **Certifications:** Six Sigma White Belt Certification, 40-Hour Construction Site Safety Training

EDUCATION

Bachelor of Engineering, Mechanical Engineering Dec 2020
Macaulay Honors College at The City College of New York Full Merit Scholarship – GPA: 3.71