

# Asher Bergtraun

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## EXPERIENCE - Work

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### Project Engineer (Remote) - Technical Document Abstractor

Nov. 2020 - Present

Phoenix Tower International | Boca Raton, FL

Inspect technical reports and mechanical specifications to close multi-million dollar acquisition of **over 3,000 Italian cell towers**.

### Mechanical Engineer

June 2020 - Oct. 2020

Globelet (*Startup*) | San Francisco, CA

Developed and built the **first** machine that washes, sanitizes, and dries reusable plastic cups to meet ISO food safety standards.

#### Key Accomplishments:

- Performed functional tests to log **3000 cup/hour** speed for **12 hours with 0 delays and 0 damaged cups**.
- Fit assembly within a standard 40' shipping crate for transportation.
- Capable of running **3 different cup sizes**, communicating cup QR codes to a mobile app, and stacking cups.

### Project Engineer

Apr. 2019 - Nov. 2020

Olympique Façade Access Consulting | Lake Forest, CA

Autonomously directed the Construction Administration Department to provide consulting services for **over 100 international clients**. Performed constructability reviews of contract documents to eliminate ambiguity and minimize project issues.

#### Key Accomplishments:

- Engineered improvements that **closed out over 20 delayed projects** after exceeding 4 years of stagnation.
- Standardized inspection protocol, based on OSHA regulations, to streamline site visits and minimize cross-training.

### Mechanical Engineer

May 2018 - March 2019

SMS INNSE S.p.A. | Milan, Italy

Renovated multi-million-dollar steel production lines through prototyping, investigative calculations, and 3D CAD modelling.

- Upgraded Skin Pass Mill by conducting Finite Element Analysis to revise bolts to standard sizes which decreased machine cost, simplified the procurement process, and optimized performance.
- Generated effective predictive, preventive and corrective maintenance procedures for sheet metal production plants.

## EXPERIENCE - Intern

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### Excelsior Metals Inc. | Fresno, CA

Jan. 2017 - Sep. 2017

Operated and maintained cutting edge machinery: laser & laser tube cutter, water jet, press brake, CNC mill & lathe, drill press.

- Designed and prototyped high quality parts for firms like Tesla and Compac.
- Performed part and assembly level tolerance analysis for precision machinery.

### EDesignC Inc. | San Francisco, CA

May 2016 - Sep. 2016

- Designed MEP systems using AutoCAD and evaluated system performance with custom software.
- Introduced Life Cycle Cost Analysis studies to compare and evaluate HVAC.

### ZCON Builders | Redwood City, CA

May 2015 - Sep. 2015

- Designed and prototyped high quality parts for firms like Tesla and Compac.
- Performed part and assembly level tolerance analysis for precision machinery.

## EDUCATION

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University of the Pacific | Bachelor of Science in Mechanical Engineering

May 2018

UCLA | Coding Boot Camp

Expected Oct. 2021

## SKILLS

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Solidworks, AutoCAD, Inventor, C, MATLAB, LabView, Autodesk | Fluent English, Italian, French | Rapid Prototyping | Finite Element Analysis | Microsoft Office | Bluebeam | Mechanical Design | Agile | 3D CAD | CNC | OSHA | HVAC