

# Benjamin Grinthal

## CONTACT

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## SKILLS

- Computer-Aided Design (CAD)
- MATLAB
- SolidWorks / AutoCAD
- Microsoft Visio
- Management and delegation
- 3D Modeling/ Design
- Product Development
- Mechanical Design
- Teamwork/ Collaboration
- Manufacturing Process
- JavaScript, HTML5, CSS
- Bootstrap
- JQuery
- Express.js, Node.js
- Git, Heroku
- Object Oriented Programming
- MySQL
- React

## PROFESSIONAL SUMMARY

Determined mechanical engineering with over 6 years of experience. Seeking to use proven design, problem-solving, and management skills to excel any position. Collaborative team player with track record of delivering multiple, concurrent projects in fast-paced environments.

## RELEVANT EXPERIENCE

**Rutgers Coding Bootcamp Certification** 05/2022 to 08/2022

**Full Stack Developer** - New Brunswick, NJ

- 3 month intensive course in a variety of programming languages and technologies
- Created a diverse portfolio in group and solo projects to design reactive front and back end applications deployed on GitHub. Some examples include:

**Password Generator**: JavaScript application to take user input of desired characters to be used and returns randomized sequence of the selected characters

**Weather Tracker**: Uses API's and takes in city names to display popular weather information in a the area for the coming week

**Team Profile Generator**: A Node.js command line application to build then display a professional team using object oriented programing

## WORK HISTORY

**OSP Engineer** 11/2021 to 04/2022

**Verizon** - Mount Laurel, NJ

- Managed the damage, upgrade, and installation of Verizon's facilities in designated areas
- Coordinate with construction, power companies, and project managers to ensure work is completed in a timely manner
- Work with vendors to increase production and create accurate design for construction to follow
- Represent Verizon in meetings and surveys to solve problems or to expand the network into new locations

**Design Engineer**, 04/2018 to 11/2021

**Byers Engineering Company Inc.** - Somerset, NJ

- Design layouts for Verizon's service providing cables through large New York City streets and buildings
- Create CAD drawings using Microsoft Visio and AutoCAD to convey manufacturing and production configurations
- Estimate quantities and cost of materials, equipment, and labor to determine project feasibility
- Develop proposals for clients outlining project scope and timeline
- Provide technical guidance, peer review, and mentorship to junior engineers engaged in Fios building designs
- Read and interpret blueprints, technical drawings, schematics, and computer-generated reports
- Travels to location to sketch/verify on field information to use for design

**Design Engineer Intern**, 06/2011 to 12/2016

**RotorClip Company** - Somerset, NJ

- Perform tolerance analysis to support success in high-volume heat treatment product manufacturing
- Operate tensile and hardness testing machines to perform spot analysis on products
- Use Solidworks to design tools for creating company retaining rings
- Design retaining rings meeting company and customer tolerance and material standards
- Document drawing edits using Engineering Change Notices (ECN)

## EDUCATION

**Bachelor of Science : Mechanical Engineering**, 05/2016

**Rutgers, The State University of New Jersey** - New Brunswick, NJ

Aerospace Engineering Certificate