

# Matthew Z. Sirkin

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## Professional Summary

Hard working mechanical engineer with a love for problem solving and critical thinking. Self-taught responsive web designer with an aptitude for learning computer languages. Driven toward improving overall efficiency in the workplace.

## Engineering Skills

- SolidWorks Model Generation
- Mechanical Drawing Generation
- Blueprint Reading
- Machining (Lathe, Milling Machine)
- Quality Assurance (OGP, CMM, Calipers, Micrometer, etc..)
- Quality Report Generation
- Critical Problem Solving

## Software Skills

- SolidWorks
- Excel (Advanced including VBA Backend Programming)
- HTML, CSS, JS
- Responsive Web Design
- Microsoft Office
- Google Analytics
- Google Adwords

## Work Experience & Accomplishments

Enviroptics Inc.

Colmar, PA

### Mechanical Engineer & Web Designer

May 2015 - May 2017

Worked on a team with 3 engineers designing a vision system that operates in harsh environments. The system was gas-cooled to operate in a 1000° F atmosphere.

Built the company website from scratch using HTML, CSS and JS. Managed an e-commerce online store with over 2000 products. Generated technical descriptions for each product. Utilized Google Adwords to **open new markets and increase revenue**.

Created an electronic timesheet that collated and analyzed labor to facilitate more accurate quoting and budget management.

Designed hermetic plating masking fixture from start to finish. Project involved critical thinking, model generation, drawing generation, material research, prototyping, testing, revising, machining, assembling and production for final use. Fixtures **reduced plating costs by 300% and increased yields by an additional ~25%**.

### Engineering and Quality Assurance Intern

Summer of 2014

Worked with a team of engineers to design a fixture for testing hermeticity in high temperature atmospheres.

Led NCR meetings to discuss non-conforming parts.

### Quality Assurance Intern

Summers of 2012 & 2013

Learned, operated and programmed a vision-based robotic measuring system. Generated QA reports for customers.

## Education

### Bachelor of Science: Mechanical Engineering

May 2015

Rutgers-New Brunswick

New Brunswick, NJ

GPA - 3.98

Graduated Summa Cum Laude - 3<sup>rd</sup> in the class of ME's

Dean's List Honoree - All 8 semesters

Member of the Matthew Leydt Society - Top 2% of all students for academic excellence