

WILLEM PARR YTSMA

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Education

Lehigh University, Bethlehem PA / G. 2017 / 3.70
Masters in Technical Entrepreneurship (M.TE)

Creativity Techniques	Intellectual Property
Prototyping	Customer Research
Marketing	Finance

Lafayette College, Easton PA / G. 2016 / 3.49
Mechanical Engineering (BS) Studio Art (BA, Honors)

Material Properties	Art History
Engineering Analysis	Drawing / Sculpture
Control Theory	Photography

*WJRH Lafayette College Radio, Arts Society,
Newspaper*

Skills

Computer

SolidWorks	Adobe Suite
ANSYS	(Ps, Pr, Ai, Br, Lr, Id)
Microsoft Office	Git / Github

Language

Conversational Spanish	HTML, Javascript, CSS
Java	MATLAB
VBA	R

Other

Videography	Basic Woodworking
Photography	Basic Metalworking
Public Speaking	Acting / Improvisation

Experience

TE Final Project / Lehigh University / June 2016 - Present

Created a method for / business around producing inexpensive molds for vinyl record manufacturing

- Made use of woodshop / metalshop / CAD software / Arduino / Lehigh labs for developing prototype
- Developed comprehensive financial plan / business model for venture
- Talked to customers and developed extremely in-depth understanding of the vinyl record industry

Videographer / Altor Locks / January 2017 - Present

Created content for the altor brand, including unboxing videos and informational videos

- Shot footage and provided creative direction
- Compiled and edited footage in Adobe Premiere

IDEAL Mechanical Engineering Final Project / Lafayette College / August 2015 - May 2016

Worked with a 10-person team to conceptualize, test, and build an intuitive interface / modular synthesizer

- Programmed intuitive user interface application for Android using Java and Android Studio
- Collaborated with team to determine direction and final design of the synthesizer / interface

Internship / FLSmidth, Inc / June - August 2015

Interned at FLSmidth concrete manufacturing equipment manufacturer in Bethlehem, PA

- Programmed Excel database and automated SolidWorks simulation using VBA
- Created SolidWorks models based on 2-dimensional drawings
- Performed a cost vs. risk evaluation of a new kiln / fan setup

Other Activities / Honors

Dorney Park Haunt: Creature of the Year Award 2016
Lafayette College Dean's List: 2012, 2014, 2016

Certified Engineer in Training (FE exam)
Studied Abroad in Madrid, Spain and Bali, Indonesia