

Michael R. Kugler

Aspiring Engineer | Innovator | Leader

A technical minded entrepreneur, aimed at using unique skills and abilities in the field of engineering to better the lives of others

✉ mrkugler@pitt.edu

📞 (412) 996-0660

📍 Pittsburgh, PA

🌐 mrkugler.com

🌐 linkedin.com/in/mrkugler

EDUCATION

B.S. Mechanical Engineering

University of Pittsburgh

08/2018 – Present

Swanson Scholar

Courses

- Mechanical Engineering Design
- Statics & Mechanics of Materials
- Analytic Geometry & Calculus 3
- Material Structures & Properties

High School Diploma

South Fayette Township High School

08/2014 – 06/2018

High Honors

Highlights

- Student Representative for School District
- Adviser of design projects for All-Clad Metalcrafters, Universal Electric Corporation, & NiSource

WORK EXPERIENCE

ETC Apprentice

Carnegie Mellon University

04/2019 – Present

Entertainment Technology Center

Achievements/Tasks

- Developing interactive virtual and augmented reality experiences for labs within the Pittsburgh region

STARTUPS

LockRx LLC (08/2016 – Present)

- Currently lead a team in developing a patented pill dispensary system aimed at preventing abuse of highly addictive narcotics

ORGANIZATIONS

American Society of Mechanical Engineers (ASME)

Officer

Design Hub

Currently lead a team working with surgical oncologist to improve design of headlamps in operating rooms

Student Alumni Association

Panther Fly Fishing

Engineering Business Administration

Engineering Student Council

TECHNICAL SKILLS

Modeling Software

AutoCAD, Inventor, Fusion 360, EAGLE, Revit, SolidWorks, Mastercam, CorelDRAW

Computing Software

Microsoft Office, Windows, macOS, Linux

Programming Languages

HTML, C, C++, C#, Unix, Python, MATLAB

Google Skillshop

AdWords Certified

SOFT SKILLS

Communication

Time Management

Public Speaking

Leadership

Fast Learner

Teamwork

Problem Solver

PATENTS

Biometric Pill Dispensary System

Filed June 5, 2017 (17-10038-US-PV)

HONOR AWARDS

Frank E. Mosier Engineering Scholar

University of Pittsburgh

Delta Epsilon Phi

German National Honor Society

American Legion Award

American Legion Department of Pennsylvania

Advanced Manufacturing & Engineering Award

South Fayette Township High School

VOLUNTEER EXPERIENCE

Webmaster

DANK Pittsburgh Chapter

German American National Congress

Event Organizer

American Cancer Society

South Fayette / Bridgeville Relay for Life

Sponsor

South Fayette Foundation for Excellence

Benefitting South Fayette Township School District