

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

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EDUCATION

B.S. Mechanical Engineering

University of Pittsburgh

08/2018 - Present

Swanson Scholar, Dean's List

Certificates:

- Innovation, Product Design, and Entrepreneurship
- Stephen R. Tritch Nuclear Engineering Program

WORK EXPERIENCE

ETC Apprentice

Carnegie Mellon University

04/2019 - Present

Entertainment Technology Center

Achievements/Tasks

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

Undergraduate Teaching Assistant

University of Pittsburgh

08/2020 - Present

Swanson School of Engineering

Achievements/Tasks

- Lead multiple lab sections of MEMS 0024 (Introduction to Mechanical Engineering Design), hold weekly office hours, and grade student assignments

STARTUPS

LockRx LLC (08/2016 - Present)

- Lead a team in developing a patent pending pill dispensary system aimed at preventing abuse of highly addictive narcotics

PATENTS

Biometric Pill Dispensary System

Filed June 5, 2017 (16/000,533)

ORGANIZATIONS

Design Hub

Currently lead a team working under the supervision of surgical oncologists at UPMC to innovate headlamp to aid in pointing to extremities in a teaching setting.

American Society of Mechanical Engineers (ASME)

Chapter Officer; National Member

Student Alumni Association

Panther Fly Fishing

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

Certifications in Progress

Autodesk Inventor Certified Professional, SOLIDWORKS CSWP, LEED Green Associate

SOFT SKILLS

Communication

Time Management

Public Speaking

Leadership

Fast Learner

Teamwork

Problem Solver

HONOR AWARDS

Frank E. Mosier Engineering Scholar

University of Pittsburgh

Dean's List

University of Pittsburgh

Delta Epsilon Phi

German National Honor Society

American Legion Award

American Legion Department of Pennsylvania

VOLUNTEER EXPERIENCE

Webmaster

DANK Pittsburgh Chapter; PASRO

German American National Congress; Pennsylvania Association of School Resource Officers

Event Organizer

American Cancer Society

South Fayette / Bridgeville Relay for Life

Sponsor

South Fayette Foundation for Excellence

Benefitting South Fayette Township School District