FREDERICK KOZLOWSKI, EIT

fredkozlowski.com
kozlowskifrederick@gmail.com / 917 635 3419

EDUCATION

Stony Brook University May 2019
B.Eng. in Mechanical Engineering, Overall GPA: 3.0
Dean's List, University Scholars, Winner of 3D the Campus

WORK EXPERIENCE

BNP Associates September 2019 - March 2020
Project Engineer *Fairfield, CT*

- Designed baggage handling systems for airports around the world in Autodesk Revit.
- Optimized and streamlined baggage operations while coordinating with other disciplines.
- Resolved design issues with other disciplines, while ensuring optimum design for conveyor reliability and effectiveness.
- Relentlessly focused on clarity, accuracy, and speed when putting together designs to meet specifications, as well as creatively problem solved to balance design trade offs.
- Participated in the $3.8 billion JFK T4 redevelopment project by managing the Improvement Works phase of the project and completing field verification of existing conditions.

Lemnis Technologies May 2018 - August 2018
Intern *Singapore*

- Developed world's first video pass-through Augmented Reality for a varifocal platform.
- Integrated a stereo camera, a varifocal Virtual Reality headset and hand detection camera to create a demo which was shown at SIGGRAPH, the largest computer graphics conference.
- Worked in OpenCV, Unity (C#), MATLAB, HLSL to increase perceived comfort by 60%.

Con Edison June 2014 - June 2015
Intern *Brooklyn, NY*

- Analyzed data using Excel to determine bottlenecks in service box flush operations.
- Created a facility sharing scheme which would result in a 23% efficiency gain.

PROJECTS

RC Flying Club September 2015 - September 2018
President and Founder *Stony Brook, NY*

- Pioneered safety regulations for RC vehicles along with SBU Health and Safety.
- Taught members how to solder, work with electronics, and use CAD to model and design RC vehicles.

Stony Brook ASME October 2017 - May 2018
Fabrication Team Leader *Stony Brook, NY*

- Developed the mechanical design for a go kart using CAD.
- Used TIG welding, machining and hand tools to assemble the frame.
- Selected and installed components such as electric motors and motor controllers.

TECHNICAL STRENGTHS

Skills Revit, PTC Creo, Autodesk Inventor, SolidWorks, Welding, Writing
Relevant Courses Energy Technologies, IC Engines, Advanced Fluid Mechanics