

FREDERICK KOZLOWSKI, EIT

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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.
- Utilized the full suite of Revit's features to ensure clarity in engineering drawings.
- 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.

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