Michael L. Kressaty

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EDUCATION — Graduate: 05/2016

Stevens Institute of Technology, Hoboken, NJ

Five-Year Master's Program - Financial Engineering
Bachelor of Engineering - Engineering Management, Financial Engineering Concentration, Economics minor
3.840 GPA
Dean's List – All semesters: Fall 2011, Spring 2012, Fall 2012, Spring 2013

Rutherford High School Class of 2011

National Honor Society; Secretary
Physics Club; President
4.1 GPA
Honors: Honor Roll 4 years, Varsity Tennis/Swimming Captain, Member of record-breaking 200 medley relay swim team at Bergen County Championships, Brian Piccolo Award

RELATED COURSE WORK

Risk Management, Bloomberg Financial Systems, Monte Carlo Simulations, Moment Matching, Financial Accounting, Total Quality Management, Basic Physics up to Electricity and Magnetism, Calculus I-IV, Thermodynamics, Circuits and Electrical Systems, Statistics, Economics, Fluid Mechanics, Engineering Experimentation, Stress and Strain Analysis.

WORK EXPERIENCE

Direct Support Professional, Easter Seals — **07/12 - Current**

- Work with Down's syndrome individual to maximize her skills, abilities and independence, and help her build self-esteem and assertiveness.
- Teach and develop skills such as reading, writing, basic math, and other skills to improve quality of life.
- Provide exposure to popular culture of our community.

Lifeguard, Pines Lake Association, Wayne, NJ — **06/12 - 08/12, 06/13 - 08/13**

- Used competitive swimming experience to ensure a safe swimming environment for the entire community.
- Managed all aspects of beach and related recreation operations.

Special Olympics Coach (Volunteer), Autism Radio — **09/13 - Current**

- Coach special needs children in swimming in preparation of Special Olympic events.

PROJECT EXPERIENCE

Design and Construction of an Autonomous Robot

- A class competition that consists of the design, construction and programming of an autonomous battery-powered mobile robot. The objective of the project is to program the robot to independently navigate its way into enemy territory, identify targets, and knock out three target lights with only the use of programmed sensors.

Hazardous Environment Monitoring System

- A group project where a device is made to detect airborne hazardous materials, along with temperature, wind speed and wind direction. The device is tested in real life scenarios to ensure operability.

ACTIVITIES

- Sigma Phi Epsilon NJA- RLC, House Manager, Vice President of Finance
- American Legion New Jersey Boy's State; elected State Assemblyman – 2010
- Intramural Football, Volleyball, Tennis, Floor Hockey, Dodgeball
- Fundraiser for Making Strides Against Breast Cancer

References upon request.