

# Lillian Kravitz

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## Education:

### Binghamton University, State University of New York, Watson School of Engineering

*Bachelor of Science in Industrial and Systems Engineering*

**Expected: May 2017**

Cumulative GPA: 3.76/4.00 | Dean's List: Fall 2013 – Fall 2015 | Security Clearance: Secret DoD

## Technical Skills:

- VBA
- Python
- Microsoft Office
- Rockwell Arena
- MATLAB
- Solid Edge
- Adobe Photoshop
- HTML
- CSS
- JavaScript

## Professional Experience:

### Lockheed Martin

*Student College Tech Senior*

**Owego, NY**

**June 2015 – Aug 2015**

- Supported various operations in the Systems Engineering department on the rotary wing platform, consisting of preparing ground station radios, recording SINAD data during test flights, confirming audio, and sending and receiving tones
- Analyzed flight data with a custom built Python tool to report trends, flight errors, SINAD mean and standard deviation, in order to prove compliance to requirements
- Utilized VBA to automate the monthly weight analysis report, thus saving Lockheed Martin approximately 30 hours of labor each month for the duration of the program

### Ernst & Young Trajectory Program

*Student Consultant*

**Binghamton, NY**

**Jan 2015 – May 2015**

- Collaborated with a diverse group of engineers and business majors, to analyze a mock banks various IT, operation and reputation issues through an in-depth risk assessment
- Assessed the banks risk by researching the multiple types of risk, standards and regulations, and top infrastructure risks, to then build an interactive tool in VBA to output inherent risk and control strength for each criteria
- Formally presented final recommendations to the bank, based on the tools output and research, at the Ernst & Young headquarters

### Watson Engineering Design Division

*Undergraduate Course Assistant in Engineering Communications*

**Binghamton, NY**

**May 2014 – May 2015**

- Assisted professor by drawing from my experience to help create lesson plans, grade assignments, monitor and maximize the students growth throughout the semester
- Mentored students to complete three large group projects that provoke crucial engineering skills such as team building skills, presentation skills, time management, construction, requirements and writing

### Ferential Systems Inc.

*Intern*

**South Orange, NJ**

**Summer 2014**

- Trained in C# and Microsoft Visual Studio by the CEO, learned about risk management and collateral management, while simultaneously working on projects for the CEO
- Redesigned the user interface of the application to make the clients interaction with the system flow organically as well as researched and documented other competing companies in order to strengthen and advance Ferential Systems

## Team Engineering Projects:

### Object Avoidance Robot

*Team Member*

**Binghamton, NY**

**Fall 2013**

- Served as the team leader in the design and construction of an object avoidance robot, coordinated the budget and materials for the robot, researched code for the Arduino UNO board and wired an ultrasonic ping sensor
- Won third place out of twenty at Binghamton University's Arduino Exposition, project was displayed on Binghamton University's Website

## Leadership Experience:

### Society of Women Engineers

*Corporate and Community Relations Chair*

**Binghamton, NY**

**Spring 2014- Present**

- Organize tours and networking events with engineering companies to help the club members network and gain professional experience as well as maintain connections with local engineering industries and professionals
- Plan professional development workshops for the members to enhance their interviewing skills, resumes and cover letters

### SnoCats Ski & Snowboard Club

*Treasurer*

**Binghamton, NY**

**May 2014- May 2015**

- Manage the clubs income and expenses, devise plans to raise money to decrease the price of lift tickets, calculate the lift ticket price based on the clubs funding and attendance