Benjamin Michalowicz

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Education
- Stony Brook University, Stony Brook, NY   Expected Graduation: May 2020
    - BS. Computer Science & Applied Mathematics and Statistics; GPA: 3.38
    - Honors: Campus Grant, Dean's List (Fall 2016 –Present)
    - Relevant Courses: Systems Fundamentals I, II; Finite Mathematical Structures; Foundations of Computer Science; Calculus I, II; Linear Algebra; Theory of Computation
- Park Ridge Jr/Sr. High School, Park Ridge, NJ   Class of 2016
    - Graduated with honors; GPA: 3.7
    - Activities: Marching Band, Concert Band, National Honor Society

Skills
- **Programming Languages:** Java, LaTeX, C, HTML, CSS, JavaScript, C++, Python
- **Spoken Languages:** English (Native Proficiency), French (Working proficiency)

Work Experience:
- **Master Yoo's Summit Martial Arts**   **December 2015 – August 2017**
    - Led classes for all belt levels and taught all levels of curriculum and basic sparring concepts; learned the value of patience, how to lead classes for various belt ranks, and ensuring safety of students.
- **Private Percussion Instructor**   **May-July 2016, June-August 2017**
    - Taught drummers ages 6-18 in non-melodic percussion, rudiments, drum set dexterity/ambidexterity, and more; learned how to approach different learning styles and think on my feet while teaching
- Camp Counselor, International Ivy   **July 2017**
    - Helped prepare for the day's events and suggested ideas on efficient setup, safety of campers, and led various activities throughout the day.

Projects:
2048 in MIPS Assembly   **November 2017**
System Fundamentals I Assignment
    - Created functions that simulated shifting and merging rows and columns in the game 2048
    - Developed a better sense of low-level programming, data management and memory navigation

Metro Map Maker   **Fall 2017**
Computer Science III Final Project
    - Implemented a small application using the Java language, with the JavaFX and other custom-made frameworks. Recognized the importance of various design patterns (Builder, Factory, Template, etc.) and how their uses benefit the development of large and small software applications.

Other experience:
- Percussionist   **2007-Present**
    - Non-melodic percussion (Drum set, marching snare/bass, orchestral percussion)
    - Bergen County High School Orchestra Percussionist (2015 and 2016)
    - Snare-line section leader, Stony Brook Marching Band (2017-2018)
    - Drum line section leader, Park Ridge Jr./Sr. High School (2015-2016)
- Martial Artist   **2002-Present**
    - Holder of a 4th degree black belt in Tae-Kwon-Do as of December 2015
    - Led classes, and taught curriculum for all levels at local school (December 2015 – August 2017)
    - Knowledgeable on Tae-Kwon-Do sparring techniques and ring etiquette