

Benjamin Michalowicz

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<http://btmichalowicz.github.io>

Education

Stony Brook University, Stony Brook, NY

Expected Graduation: May 2020

- Intended: Bachelor of Science, Computer Science, Applied Mathematics and Statistics
- Honors: Campus Grant, Dean's List (Fall 2016, Spring 2017)
- Relevant Courses: Systems Fundamentals I, Computer Science I, II, III Classical Physics A, B, Foundations of Computer Science, Calculus I, II, Linear Algebra

Skills/Strengths

- Operating Systems:** Windows (XP, 7, 8/8.1, 10), Mac OS, Ubuntu Linux
- MS Office:** Excel, Word, PowerPoint
- Programming Languages:** Java, HTML, CSS, JavaScript, LaTeX
 - Limited Proficiency: C, Python
- Languages:** English (Native Proficiency), French (Limited proficiency)
- Leadership, Strategic Planning, Teaching, Teamwork**
- Percussion (see below)**

Projects:

2048, MIPS Assembly, System Fundamentals I Homework Assignment

Fall 2017

- Implemented functions that would simulate various actions in the famous game known as 2048. Functions included placing values on a board of any dimensions greater than 2 x 2, shifting rows/columns, merging rows/columns, simulating a user's move, and checking the state of a game between user moves

Metro Map Maker, Computer Science III Final Project

Fall 2017

- Implementing a fully functional application with Java, JavaFX, and a custom framework meant for desktop-based Java applications

Work Experience:

- **Master Yoo's Summit Martial Arts** (December 2015 – Present)
 - 4th degree Black Belt (Master Rank); led classes for all belt levels; taught various levels of curriculum and basic sparring concepts.
- **Private Percussion Instructor** (May-July 2016, June-August 2017)
 - 30/60-minute weekly lessons. Taught drums to students ages 6 to 18; developed hand-coordination, dexterity, proper matched and traditional grip techniques, and applications to the drum kit and drum kit dexterity/ambidexterity.
- **Camp Counselor, International Ivy** July 2017
 - Helped prepare for/cleaned up the day's activities and ensured that each child attending the camp had a safe and fun experience; worked with the site director for efficient setup and take-down.

Other experience:

- **Snare Line Section Leader, Stony Brook University** Stony Brook, New York 2017-2018
 - Leadership position: Served as a liaison for new and returning members of the snare-line (within the drum line); ensured preparedness of the section—this includes knowledge of music and procedures for games and other events as well as having equipment ready for said events; maintained lines of contact between new members of the snare-line, and led section rehearsals.
 - Other responsibilities include being able to tune the snare drums belonging to each member of the line and holding sectionals when necessary; this is on a case-by-case basis.
- **Percussionist** 2007-Present
 - Proficient in non-melodic orchestral percussion with basic knowledge of tympani and two-mallet percussion.
 - Successfully auditioned for the Bergen County High School Concert Band (2015, 2016)
 - Recipient of Semper Fidelis Award for Musical Excellence (2016)
 - Proficient on the drum kit and its applications to various genres (2008-Present)
 - Proficient in Marching percussion (marching snare and bass drum) (2010-Present)
 - Drum Line Section Leader, Park Ridge High School (2015-2016)