

Benjamin Michalowicz

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<http://btmichalowicz.github.io>

Education

Stony Brook University, Stony Brook, NY

Expected Graduation: May 2020

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

Professional 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**

Projects:

2048, MIPS Assembly, System Fundamentals I 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 and 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; demonstrates use of file handling, knowledge of design patterns, and the ability to program larger software projects.

Work Experience:

- Master Yoo's Summit Martial Arts (December 2015 – August 2017)
 - I hold a 4th degree Black Belt (Master Rank) in Tae-Kwon-Do; here, I led classes for all belt levels and taught all levels of curriculum and basic sparring concepts.
- Private Percussion Instructor (May-July 2016, June-August 2017)
 - In 30/60-minute weekly lessons, I taught drums to students ages 6 to 18; I helped students develop basic hand coordination, dexterity, proper matched and traditional grip techniques, applications to the drum kit, drum kit dexterity/ambidexterity.
- Camp Counselor, International Ivy July 2017
 - As a counselor, I helped prepare 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: I served as a liaison for new and returning members of the snare-line and 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; I also 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)