

## **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)
- 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)
  - 4<sup>th</sup> 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.

### **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. (2014-Present)
  - Musical Accolades: Successfully auditioned for the Bergen County High School concert band for the 2015 and 2016 ensembles in non-melodic percussion
  - Recipient of Semper Fidelis Award for Musical Excellence (2016)
  - Proficient on the drum kit and its applications to various genres (2008-Present)
  - Marching percussion (marching snare and bass drum) (2010-Present)