

# Benjamin Michalowicz

<http://btmichalowicz.github.io>  
benjaminmichalowicz98@gmail.com | (201) 961-2280

## EDUCATION

### STONY BROOK UNIVERSITY

B.S IN COMPUTER SCIENCE  
B.S IN APPLIED MATHEMATICS  
May 2020 | Stony Brook, NY  
Cum. GPA: 3.38/4.00

### PARK RIDGE JR./SR. HIGH SCHOOL

May 2016 | Park Ridge, New Jersey  
GPA: 3.70/4.00  
National Honor Society  
Marching Band

## LINKS

Github:// [BTMichalowicz](#)  
LinkedIn:// [benmichalowicz](#)

## COURSEWORK

### UNDERGRADUATE

Computer Science I, II, III  
Systems Fundamentals I, II  
Foundations of Computer Science  
Calculus I, II, III  
Theory of Computation  
Linear Algebra  
Finite Mathematical Structures  
Classical Physics A, B  
Principles of Database Systems  
Analysis of Algorithms

## SKILLS

### PROGRAMMING

Java • C • HTML • CSS  
Javascript • Python • C++  
LaTeX • R

### OPERATING SYSTEMS

Windows • GNU/Linux • OSX

### LANGUAGES

English • French

### CERTIFICATIONS

- QPR Certified
- 4th degree black belt, Tae-Kwon-Do
- Certified sparring judge (corner referee)

## WORK EXPERIENCE

### COMPAS LAB, STONY BROOK UNIVERSITY | RESEARCH ASSISTANT

June 2018 - August 2018

- Undergraduate research in Stony Brook University's COMPAS lab. Worked with PhD students to analyze processor/microarchitecture performance through simulated programs.

### PRIVATE PERCUSSION INSTRUCTOR | SELF-EMPLOYED

Summer 2016, 2017 | Park Ridge, New Jersey

- Taught drummers ages 6-18 in non-melodic percussion, basic rudiments, drum set dexterity/ambidexterity, various drumming styles and genres.

### STONY BROOK UNIVERSITY | MARCHING BAND SUMMER STAFF

Apr - Aug 2018 | Stony Brook, New York

- Aided in recruitment for the 2018-2019 Marching Band Season/Academic Year. Assisted in planning for band camp, football games, and halftime shows for the fall 2018 semester.

### MASTER YOO'S SUMMIT MARTIAL ARTS | INSTRUCTOR

Dec 2015 - Aug 2017 | Park Ridge, New Jersey

- Led ranked classes up to 2nd degree black belt; taught sparring, hand/foot blocking and striking techniques, self-defense, and basic weapons techniques while keeping students safe.

### RHYTHM MONSTER, LLC | INTERN

March 2018 - Present | Rhythm Monster

- Lead programmer; managed backend for major projects; one of three video-editors for online content.

## PROJECTS

### 2048 IN MIPS ASSEMBLY | SYSTEM FUNDAMENTALS I PROJECT/ASSIGNMENT

November 2017 | Stony Brook, New York

Used MIPS Assembly to create functions simulating the gameplay of 2048; strong understanding of low-level programming, data-management/memory navigation.

### METRO MAP MAKER | COMPUTER SCIENCE III FINAL PROJECT

October - December 2017 | Stony Brook, New York

Created a small application using Java with JavaFX and other custom frameworks; learned the importance of design patterns/how they fit into software development

### STUDENT RECORDS | SMALL STUDENT DATABASE

Created a basic student linked-list database in C. Takes in a list of Student data and manipulates it as per the user's command.

## OTHER EXPERIENCE/AWARDS

2007-Present

Percussionist

• Bergen County High School Orchestra

• Drum Line Section Leader (Snare), SBU

• Drum Line Section Leader, PRHS

• Shirley Strum Kenny Founders Award, SBU

2002-Present

Martial Artist

• 4th degree black belt, Tae-Kwon-Do

2015, 2016

2017-Present

2015-16

2018