

Benjamin Michalowicz

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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](#)
YouTube:// [benmichalowicz1](#)

COURSEWORK

UNDERGRADUATE

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

SKILLS

PROGRAMMING

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

OPERATING SYSTEMS

Windows • GNU/Linux • OSX

LANGUAGES

English • French

WORK EXPERIENCE

MASTER YOO'S SUMMIT MARTIAL ARTS | TAE-KWON-DO TEACHER

Dec 2015 – Aug 2017 | Park Ridge, New Jersey

- 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 | SELF-EMPLOYED

Summer 2016, 2017 | Park Ridge, New Jersey

- Taught drummers ages 6-18 in non-melodic percussion, basic rudiments, drum set dexterity/ambidexterity; learned how to approach different learning styles and think on my feet while teaching

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.

PROJECTS

2048 IN MIPS ASSEMBLY | SYSTEM FUNDAMENTALS I

PROJECT/ASSIGNMENT

November 2017 | Stony Brook, New York

Used the MIPS Assembly Language to create functions simulating row-shifting and row-merging that occurs in the browser game 2048; developed a better appreciation for low-level programming and a better understanding of data-management and memory navigation.

METRO MAP MAKER | COMPUTER SCIENCE III FINAL PROJECT

October - December 2017 | Stony Brook, New York

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/AWARDS

2007-Present Percussionist

- Bergen County High School Orchestra 2015 and 2016
- Snare-Line Section Leader, 2017-18
- Stony Brook Marching Band
- Drum Line Section Leader, 2015-16
- Park Ridge Jr.Sr. High School

2002-Present Martial Artist

- Holder of a 4th degree black belt in Tae-Kwon-Do
- Teacher of classes for all belt levels
- Trained in sparring technique and ring etiquette

2018-Present QPR Certified

- "Question, Persuade, Refer" program at Stony Brook University to aid in suicide prevention