

Benjamin Michalowicz

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EDUCATION

STONY BROOK UNIVERSITY UNIVERSITY

B.S IN COMPUTER SCIENCE

B.S IN APPLIED MATHEMATICS

Expected May 2020 | Stony Brook, NY

Cum. GPA: 3.38/4.00

PARK RIDGE JR./SR. HIGH SCHOOL

Grad. 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

Lineary 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

INTERNATIONAL IVY, LLC | CAMP COUNSELOR

July 2017 | Oakland, New Jersey

- Helped prepare for the day's events, led daily activities, and ensured the safety of the campers.

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