

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](#)

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

WORK EXPERIENCE

COMPAS LAB, STONY BROOK UNIVERSITY | RESEARCH ASSISTANT

June 2018 - August 2018

- Undergraduate research in the COMPAS lab in Stony Brook University's CS department headed by Dr. Michael Ferdman. Learned how to apply my knowledge of computer systems to larger projects.

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.

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

PLAN B(EAN) | PERSONAL SITE

Personal website using HTML, Bootstrap's CSS Framework, and a JavaScript library for an interactive particle animation.

STUDENT RECORDS | SMALL STUDENT DATABASE

Created basic student database in C with a linked list as a backing data structure. Supports output to the console and to files as well as various flag combinations to print out a student's name, GPA, ID, and major.

OTHER EXPERIENCE/AWARDS

2007-Present

Percussionist

- Bergen County High School Orchestra
- Snare-Line Section Leader, SBU
- Drum Line Section Leader, PRHS

2015, 2016

2017-Present

2015-16

2002-Present

Martial Artist

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