

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: 3.36/4.00

Marching Band

Stony Brook Computing Society

TKD at SBU

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

Theory of Computation

Linear Algebra

Finite Mathematical Structures

SKILLS

PROGRAMMING

Java • C • HTML • CSS

Javascript • Python • C++

Shell Scripting • \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 the CPU2006 benchmark suite on a real system and a simulated system, and then reconfigure the simulator to match the performance of the real system

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

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	2015, 2016
	• Drum Line Section Leader (Snare), SBU	2017-Present
	• Drum Line Section Leader, PRHS	2015-16
	• Shirley Strum Kenny Founders Award, SBU	2018
2002-Present	Martial Artist	
	• 4th degree black belt, Tae-Kwon-Do	2015 - Present