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
Marching Band
Stony Brook Computing Society
TKD at SBU
Stony Brook Campus Grant
Dean's List

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
Technical Communications

SKILLS

PROGRAMMING
Java • C • Python • HTML
CSS • Javascript • C++
Shell Scripting • LaTeX

OPERATING SYSTEMS
Windows • GNU/Linux • OS X

LANGUAGES
English • French

CERTIFICATIONS
• QPR Certified
• Certified sparring judge (corner referee)

WORK EXPERIENCE

COMPAS LAB, STONY BROOK UNIVERSITY | Research Assistant
June 2018 - Present | Stony Brook, New York
- Undergraduate research in Stony Brook University's COMPAS lab. Worked with PhD students to analyze processor/microarchitecture performance through benchmark suites on real and simulated systems.

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.

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.

MASTER YOO'S SUMMIT MARTIAL ARTS | Instructor
June 2012 - Aug 2017 | Park Ridge, New Jersey
- Led classes of all ranked levels, from beginner to 2nd degree black belt; taught sparring, blocking/striking techniques, self-defense, and weapon techniques while keeping a safe environment for students.

PROJECTS

2048 IN MIPS ASSEMBLY | System Fundamentals I Project
November-December 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 Course 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
February 2018
A basic student database written in C. Uses a linked-list backing structure. Takes in a formatted input file and manipulates the data based on the command-line flags used.

"KETCHUP" ON YOUR WORK | SBUHacks 2018 Project
September 2018 | Stony Brook, NY
Hackathon project placing a creative spin on use of the pomodoro technique for studying. Used HTML, CSS, Javascript, Node.JS, and the Google Tasks API. Worked in a team of four to accomplish this. Won "Best Domain Name."

OTHER EXPERIENCE/AWARDS

2007-Present	Percussionist	
	• Bergen County High School Orchestra	2015, 2016
	• Drum Line Section Leader (Snare), SBU	2017-Present
	• Shirley Strum Kenny Founders Award, SBU	2018
2002-Present	Martial Artist	
	• 4th degree black belt, Tae-Kwon-Do	2015 - Present
	• Tae-Kwon-Do Teacher	2012 - 2017