

Benjamin Michalowicz

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EDUCATION

STONY BROOK UNIVERSITY

B.S., COMPUTER SCIENCE
May 2020 | Stony Brook, NY
GPA: 3.43/4.00

Clubs/Orgs:
Marching Band
Stony Brook Computing Society
TKD at SBU
Stony Brook Live

M.S., COMPUTER SCIENCE
Ant. May 2021 | Stony Brook, NY

PARK RIDGE JR./SR. HIGH SCHOOL

May 2016 | Park Ridge, New Jersey
GPA: 3.70/4.00
National Honor Society
Marching Band

COURSEWORK

UNDERGRADUATE

Computer Science I, II, III
Systems Fundamentals I, II
Calculus I, II, III
Operating Systems
Technical Communications
Analysis of Algorithms
Principles of Programming Languages
Principles of Database Systems

GRADUATE

Data Science Fundamentals

SKILLS

PROGRAMMING

Java • C • Python • HTML
CSS • Javascript • Node.JS
C++ • Shell Scripting • SQL
• \LaTeX • MIPS Assembly

OPERATING SYSTEMS

Windows • GNU/Linux • OS X

SPOKEN LANGUAGES

English • French

CERTIFICATIONS

• QPR Certified
• Certified sparring judge (corner referee)

WORK EXPERIENCE

BAE SYSTEMS | SOFTWARE TECHNICAL INTERN

May 2019 - Aug 2019 | Stony Brook, New York

- Aided in design and implementation of software projects using Agile techniques specializing in defense systems; utilizing both Windows and Linux environments.

STONY BROOK UNIVERSITY | UNDERGRADUATE RESEARCH ASSISTANT

May 2018 - May 2019 | Stony Brook, New York

- Undergraduate research in Stony Brook University's COMPAS lab. Worked with PhD students on projects focusing on computer systems, particularly in massively parallel and scalable server systems, and microarchitecture.

STONY BROOK UNIVERSITY | TEACHING ASSISTANT

Jan 2019 - Present | Stony Brook, New York

- Held weekly office hours, led weekly recitations, and helped students understand material in Stony Brook University's CSE 216 course (Programming Abstractions).

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

E-COMMERCE PRO | COURSE PROJECT/DEVELOPER

March-May 2019 | Stony Brook, New York
Used web-design technologies and frameworks (HTML, CSS, Node.JS) and SQL/MySQL to create a web application for an e-commerce application.

FES2 / SIMICS SIMULATIONS | RESEARCH PROJECT

May-December 2018 | Stony Brook, New York
Extensively debugged the FeS2 simulator (in C/C++) platform to enable performance analysis on checkpoints of benchmark applications during billion-cycle experiments in SIMICS; created scripts to gather data in .csv formats to create time series plots

MULTI-THREADED CACHE SIMULATOR

May 2018 | Personal Project
Used the C language and POSIX threads to design a simple direct-mapped cache system with one level of caches and simple page table hierarchy; demonstrates knowledge of cache systems and low-level/thread-safe programming.

"KETCHUP" ON YOUR WORK | SBUHACKS 2018 PROJECT

September 2018 | Stony Brook, NY
A creative spin on use of the pomodoro technique for studying smarter. Used HTML, CSS, Javascript, Node.JS, and the Google Tasks API. Won "Best Domain Name."

HONORS/AWARDS

PERCUSSIONIST

2007-Present

- Bergen County High School Orchestra 2015, 2016 • Drum Line Section Leader (Snare), SBU, 2017-Present • Shirley Strum Kenny Founders Award, SBU, 2018

MARTIAL ARTIST

2002-Present

- 4th degree black belt, Tae-Kwon-Do, 2015 - Present • Tae-Kwon-Do Teacher, 2012 - 2017

INTERNATIONAL SYMPOSIUM ON COMPUTER ARCHITECTURE

Phoenix, AZ, 2019

- ISCA uArch Workshop attendee on awarded scholarship