# Michael Wolf-Sonkin

(646) 618-2611 | michaelwolfsonkin@gmail.com | linkedin.com/in/michaelwolfsonkin

## EDUCATION

**Stony Brook University**  
Bachelor of Science, **Computer Science**  
Bachelor of Science, **Applied Mathematics and Statistics**

Cumulative GPA: 3.96/4.0  
Expected Graduation: May 2021  
Credits to Date: 104

## SKILLS

| | |
|---|---|
| Software: | **Java, C, C++, Python, LabWindows/CVI, C#** |
| Courses: | **System Fundamentals, Analysis of Algorithms, Computer Networks, Computer Vision, Data Structures, Multivariable Calculus, Linear Algebra, Graph Theory, Combinatorics, Probability and Statistics** |

## WORK EXPERIENCE

**BitWize Corp.** | Melville, NY — June 2019 – February 2020  
*Software Development Contractor*
- Developed LabWindows/CVI GUI application to monitor heater and actuator status for onboard deicing systems.

**Stony Brook University** — Fall 2019  
*System Fundamentals Teaching Assistant*
- Held weekly recitations and office hours to teach general system fundamentals and MIPS Assembly language.

**Veeco Instruments, Inc.** | Plainview, NY — Summer 2019  
*Software Development Intern*
- Developed C# software to configure elevators, wafer aligners, and robotic arms in thin film process equipment.
- Created modular NSIS scripts to automate the software deployment pipeline.

**Cox & Company, Inc.** | Plainview, NY — Summer 2017, 2018  
*Software Development Intern*
- Created LabWindows/CVI GUI application to convert avionics error codes to a human readable format.
- Developed LabWindows/CVI GUI application to verify behavior of fuzzy output signals of deicing controller unit under extreme temperature settings.

## PERSONAL PROJECTS

**Virtual Rubik's Cube Solver and Visualizer** – *Java/Python*
- Developed custom 3D graphics library used to render the Rubik's Cube.
- Implemented Rubik's Cube solving algorithms, specifically CFOP.

**FIRST Robotics Competition Dashboard** – *Python*
- Streams camera feed from server onboard the robot.
- Identifies, locates, and tracks in-game targets using computer vision for autonomous robot control.

## EXTRACURRICULAR ACTIVITIES

**Stony Brook Competitive Programming Team** — September 2019 – Present
- Attend weekly lectures on algorithmic problems solving.
- Participate in weekly practice contests to prepare for the International Collegiate Programming Contest.

**FIRST Robotics Competition, Team 7400** | Melville, NY — June 2018 – Present  
*Software Mentor*
- Taught software development in C++ and Python.
- Worked with students to develop vision processing software.

## ADDITIONAL

**Awards**
- Stony Brook University Dean's List – All Semesters
- Stony Brook Competitive Programming Team, 2019 NY Regional – Tied for Top Underclassmen Team
- American Computer Science League – 1st Place in New York
- Saint Joseph College Programming Competition, 2017, 2018 – Tied for 1st Place

**Interests** – Rock Climbing • Rubik's Cubes • Cycling