Michael Dasaro

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EDUCATION:

Stevens Institute of Technology, Hoboken, NJ
Bachelor of Engineering / Master of Engineering in Computer Engineering
GPA | 3.982 Graduation: May 2022

Honors | Presidential Scholarship, Edwin A. Stevens Scholarship, FIRST Robotics Scholarship, Dean's List

Coursework | Computational Data Structures & Algorithms, Microprocessor Systems, Circuits and Systems, Control Theory, Image Processing, Digital System Design, Discrete Mathematics

Holmdel High School, GPA: 4.6/4.0 (weighted) Graduation: June 2019

SKILLS:

Software:

AutoCAD	Inventor	Fusion 360	Solidworks	Photoshop	Linux	Windows
VirtualBox	Git	Visual Studio	Sharepoint	PowerApps	Excel	Vivado

Programming Languages:

JavaScript/HTML *(8 years)*	Java *(4 years)*	Python *(3 years)*	Lua *(2 years)*
C++ / .NET Framework *(2 years)*	SQL *(1 year)*	ARM Assembly *(1 year)*	VHDL *(1 year)*

EMPLOYMENT:

Herrick Technology Laboratories | *Electrical Engineering Intern* *2021*

Valley Bank | *Application Development Co-op Student* *2020*

Worked as a Software Engineer on internal projects including .NET web-apps, PowerApps, and data manipulation. Software is used daily for logging and data manipulation.

IEEE Historical Society Intern: Created research articles and assisted with exhibits. *2019-2020*

OasisVRX: Assisted the startup company with setup and recommendations for VR. *2019-2020*

INDEPENDENT PROJECTS:

Boost: Winner of HackRU Fall 2020 Maverick Track: A 2D racing game complete with a map creation tool and evolutionary neural network that learns to race around any track using the Python NEAT library.

Rutgers Class Mapper: Developed at HackRU Fall 2019, Class Mapper routes your weekly schedule around campus, accounting for bus routes and walking directions.

Inquiry: Developed at PennApps XVIII to enable students to communicate with and assist each other efficiently on schoolwork. The app has unique features such as a whiteboard and Q&A section.

EXTRACURRICULAR ACTIVITIES:

Stevens RockSAT-C. Developing an experiment for launch on a NASA sounding rocket with the Colorado Space Grant Consortium involving reflo soldering and a deployable camera in microgravity.

Stevens Sailing Team. Secretary. Stevens Institute of Technology Sailing team.

FIRST Tech Challenge Robotics Team. Grades 10-12. Co-President: Grade 12.
Mentoring the team in 3D modeling, 3D printing, and construction, competed at Worlds Championship.

Cybersecurity Club. Grades 11-12. Secretary: Grade 11-12.
Founded club and taught members Cybersecurity skills in preparation for the CyberPatriot competition.