Michael Dasaro

Hoboken, NJ | michaelgdasaro@gmail.com | 732-673-2689 | github.com/Michael73MGD

EDUCATION:

Stevens Institute of Technology, Hoboken, NJ
Bachelor of Engineering / Master of Engineering in Computer Engineering
GPA | 3.973 Graduation: May 2022

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

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

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/Qt *(2 years)*	SQL *(1 year)*	ARM Assembly *(1 year)*	VHDL *(1 year)*

EMPLOYMENT:

Herrick Technology Laboratories | *Electrical Engineering Intern* *2021*
Worked on government contracted software-defined radios, specifically on encrypted removable memory modules and tools for reusing hardware with classified information.

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:

Light-Blue: Winner of HackRU Spring 2021 Maverick Track: Built and programmed a chess-playing robot on the frame of a 3D printer with a claw, webUI, and computer vision for recognizing game states.

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, displayed with Google maps API.

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. Treasurer. 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.