

Kevin Dominguez

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EDUCATION

New York Institute of Technology

Bachelor of Science in Electrical and Computer Engineering Technology

New York, NY

May 2021

SKILLS

- Proficient: MATLAB, Multisim, AutoCAD, Avionics, Circuitry, Visual Studio, System Testing
- Familiar: Python, C, MySQL, Java, PuTTY, Javascript, Azure, HTML 5, CSS 3,C++

EXPERIENCE

Systems Engineering, Integration & Test Intern

Northrop Grumman

Linthicum, Maryland

June 2020 - Aug 2020

- Troubleshoot an IFF Support Equipment (ISE) cabinet
- Programmed and loaded Boot-ROM test on a 194 Single Board Computer
- Configured boot parameters using PuTTY for hardware test configuration to run Acceptance Test Procedures
- Created/Debugged test scripts to identify hardware/software configurations in a GUI
- Drew a detailed schematic of Automatic Dependent Surveillance-Broadcast (ADS-B) components

SHPE Founder / President at NYIT

Society of Hispanic Professional Engineers (SHPE)

New York, NY

Sept 2019 - Present

- Cultivated connections with outside entities
- Hosted/created workshops tailored to LatinX and STEM students
- Participated in community service initiatives
- Mediated weekly board meetings

Automotive Mechanic

Honda Service Center

Brooklyn, NY

May 2017 - Sept 2017

- Implemented routine preventive maintenance tasks
- Specialized in repairing and alternating different components of vehicles
- Maintained great communication with customers and supervisors

PROJECTS

GOPiGO 3

New York Institute of Technology

New York, NY

Jan 2019- Feb 2019

- Designed and built a handheld GoPiGo bot that traversed several intense obstacle courses
- Used software tools to develop, upload, and execute commands to maneuver robot
- Integrated sensor and raspberry pi to achieve motor functionality

Executive Team Leader

NYU Tandon School of Engineering

Brooklyn, NY

June 2015 – Aug 2015

- Assembled and programmed an automated Obstacle Avoiding Robot (OAR) using C
- Embedded the OAR with proximity sensors to avoid collision with any objects
- Demonstrated how to perform proper circuitry and coding

Actuating a Landing Gear

Aviation High School

Queens, NY

Jan 2016 - May 2016

- Applied pressurized hydraulic fluid to actuate linkages to raise and lower the landing gear
- Performed top leveled maintenance on main gear actuator and thermal relief valve
- Executed visual inspection to ensure proper operation