**Joshua Williams**

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**education**

**Columbia University** New York, NY

Master of Science in Electrical Engineering *Expected Dec 2024*

Concentration in Smart Electric Energy and Computation.

**College of Staten Island** Staten Island, NY

Bachelor of Science in Electrical Engineering, Minor in Mathematics *May 2023*

Concentration in Power Electronics and Systems.

**project and research**

**HACK DEFENDER, College of Staten Island**

*Jan 2023 - May 2023*

* Generated a Network Intrusion Prevention System detecting while protecting against 100+ malicious network threats.
* Established at least 5 rules to locate and drop packets classified as malicious traffic while generating associated alerts for users.

**DICE GAME, College of Staten Island**

*Jun 2022*

* Brainstormed and built a random number generator to imitate incidental play of a person rolling 2 dice.
* Designed a circuit with LEDs and LCD to physically display outcomes of when users are finished rolling a die and gets a number (1-6) randomly.

**1V1 BASKETBALL GAME, College of Staten Island**

*Jan 2022*

* Developed a 2-user game while saving scores made for each user for a comparison- emulating sport systems.
* Illustrate a missed shot or when its game over; engineered a 1 circuit including a push button to shot as displayed on a LCD and buzzer speaker to physically.

**work experience**

**VYBZ ZONE** Brooklyn, NY

*(Self-Employment) Jul 2022 – Present*

* Developed Proficient Time Management and Organization to assist multitasking assignments.
* Orchestrated Themed Social Event with team of 3 members responsible for coordinating efficient marketing tactics.
* Implemented Microsoft Suites (Experience in WORD, PowerPoint, Excel, SharePoint); conducted reports, listing of client info, and promotional objectives.
* Analyze 2-3 effective communication plans between associates curating an amicable work connection.

**Catholic Charities** New York, NY

*S.Y.E.P Staff Jul 2016 - Sep 2016*

* Organized field trips for children and adolescents and acted as a youth community mentor.
* Maintained a secure environment to 20+ applicants to provide overall safety and comfort in S.Y.E.P.
* Conducted study sessions to mentor in Math and Science benefit towards elevating education.

**skills**

* Assembly programming language applied to microcontroller project.
* Knowledge of MATLAB, AutoCAD, LabVIEW, and Multisim software.
* Kali Linux tools including Wireshark and Snort IDS/IPS.
* Software skills that include coding are C++ and Python applied to projects.
* Troubleshoot and repair electronic devices (Computers and cellphones).