# WISSAM RAZOUKI

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**Website:** [wissamrazouki.me](https://www.wissamrazouki.me)

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**GitHub:** [github.com/SamIAm10](https://www.github.com/SamIAm10)

#### TECHNICAL SKILLS

**Programming/Coding:** Python, C/C++, Java, SQL, Git, HTML, CSS, JavaScript, Node.js, Matlab, R, VHDL, Bash, Assembly

**Software:** Linux, AWS, GCP, Jupyter, VS Code, Eclipse, Jira, Android, VirtualBox, Cadence, CAD, Simulink, Atmel Studio

**Hardware:** Microcontrollers, FPGA, PC building and repairing, electronic circuit designing/building/analyzing/programming

#### WORK EXPERIENCE

**HCL Technologies –** Remote (Work From Home) *Nov 2020 — Present*

***Data Analyst***

* Developing insightful data solutions and productivity apps (SQL, Python, JS, HTML, GCP, Dashboards, ETL Pipelines, AI/ML).

**English by Merit** – Remote (Work From Home) *May 2020 — Nov 2020*

***Developer and System Analyst***

* Hired to work on a scholarship matching website to help incoming college students fund their education.
* Responsible for front and back-end web development (working closely with AWS, Linux, SSH, and SQL/NoSQL databases), code review, research, development of new and existing features, data analysis, tech consulting, and production of written reports with comprehensive system diagrams.

**Doosan Fuel Cell America –** South Windsor, CT *Jun 2019 — Aug 2019*

***Software Engineer Intern***

* Developed database solutions for a cloud-based remote monitoring system (RMS) for a fleet of hundreds of fuel cell powerplants located in the US, UK, and Korea. RMS was later deployed for company use.
* Automated ETL processes for data collection, aggregation, categorization, and visualization (using Python, C++, MySQL, AWS, and Excel) to help the software team identify, prioritize, track, and resolve issues much quicker.
* Managed and fixed software on powerplant computers through remote desktop sessions.

**UConn School of Engineering –** Storrs, CT *Jan 2017 — May 2017*

***Information Technology Specialist***

* Troubleshooted computer/network problems and diagnosed issues with printers and other technology.
* Maintained high productivity by helping students, faculty, and staff with relevant tech-related problems.
* Experience in imaging, ghosting, installing, and licensing various types of software on many different machines.
* Responsible for repairing and/or replacing faulty pieces of hardware to save on computer costs.

**YouTube –** Online *Aug 2011 — Present*

***Partner***

* Manage a channel and create content with 20 million views, leveraging data analytics, SEO, and digital marketing.

#### RELEVANT PROJECTS

**Senior Design (Sponsored by Carrier) –** Storrs, CT *Aug 2019 — May 2020*

***First Place Winner*** *for ECE Senior Design 2020 at UConn,* ***Team Leader***

* Developed a testing methodology for IoT systems relevant to Carrier’s new network-controlled HVAC products.
* Led the design and implementation of a sample IoT system, toolchain selection, and assigning tasks to group members.
* Tech stack: Python scripting/automation, cloud API, Android app development, Arduino, Matlab, Apache JMeter.

**Hospital Information Data Utility –** Storrs, CT

*Project for* ***Software Engineering***

* Designed, coded, and fully tested a software system in Java for use by patients and data analysts in analyzing and extracting various crucial statistics about hospitals across the US. The program utilizes a simple and user-friendly GUI.

#### EDUCATION

**University of Connecticut –** Storrs, CT *Aug 2016 — May 2020*

***Bachelor of Science in Computer Engineering* GPA:** 3.8/4.0

* **Honors & Awards:** 1st Place Senior Project Winner, New England Scholar, Dean’s List Scholar, Cum Laude Grad
* **Extracurriculars:** 3D Printing Club, ACM-ICPC International Collegiate Programming Contest