# WISSAM RAZOUKI

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

#### TECHNICAL SKILLS

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

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

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

#### WORK EXPERIENCE

**Self-Employed –** Remote *Jun 2020 — Present*

***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, and production of written reports with comprehensive system diagrams.

**Doosan Fuel Cell America, Inc. –** 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.
* Knowledge and experience in:
  + imaging, ghosting, installing, and licensing various types of software on many different machines.
  + repairing and/or replacing faulty pieces of hardware to save on computer costs.

**Walmart –** Branford, CT *Jun 2018 — Jul 2020*

***Electronic Sales Associate***

* Increased sales by marketing electronic products and cooperating with managers to improve store experience.

#### 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.

**Line-Directed Robot –** Storrs, CT

* Wired and programmed a 2-wheeled robot to follow or avoid a line of tape using IR sensors (in Atmel Studio, using C).

**FPGA Pong Game –** Storrs, CT

* Designed and programmed a 2-player Pong game on an FPGA board (in Xilinx Vivado, using C and VHDL).

#### 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 Design Winner, New England Scholar, Dean’s List Scholar, Cum Laude Grad
* **Extracurriculars:** 3D Printing Club, ACM-ICPC International Collegiate Programming Contest