WISSAM RAZOUKI

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TECHNICAL SKILLS

Programming/Coding: Python, C/C++, Java, SQL, Git, HTML, CSS, JavaScript, Node.js, Matlab, R, Bash, VHDL, Assembly
Software: Linux, AWS, GCP, Jupyter, VS Code, Tableau, Eclipse, Jira, Android, VirtualBox, Cadence, CAD, 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 / Engineer

- Developing insightful data solutions for various teams (SQL, Dashboards, ETL Pipelines, GCP, AI/ML).
- Building productivity and automation apps used by hundreds of engineers (Python, JavaScript, HTML, Java).

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 all over the world. 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 Course***

- 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