WISSAM RAZOUKI

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TECHNICAL SKILLS

Programming/Coding: Python, C/C++, Java, Git, SQL, HTML, CSS, JavaScript, Node.js, Matlab, VHDL, Bash, Assembly
Software: Linux, AWS, Windows, MS Office, Android, VirtualBox, PSpice, Cadence, CAD, Simulink, Atmel Studio, macOS
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.
- Created many automated 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
IT Help Desk Specialist

- Troubleshooted computer 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
Sales Associate and Cashier

- Increased sales by marketing products, resolving customer issues quickly, and checking out items at a fast pace.

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