WISSAM RAZOUKI

(203) 444-6554 | wissam.razouki@uconn.edu | Visalia, CA 93291
Website: https://www.wissamrazouki.me
LinkedIn: https://www.linkedin.com/in/wissamr
GitHub: https://www.github.com/SamIAm10

TECHNICAL SKILLS

Programming/Coding: Python, C/C++, Java, Git, SQL, MATLAB, HTML, CSS, JavaScript, Node.js, VHDL, Bash, Assembly
Software: Windows, macOS, Linux, Android, MS Office, AWS, 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

- Perform system analysis, research, development, and production of written reports for a scholarship matching website to help incoming college students fund their education (front and back-end web development, AWS, and SQL/NoSQL)

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, and installing 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
- Utilized computer software to perform daily duties and help consumers sign up for credit cards

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 and verification workflow for IoT systems relevant to Carrier's HVAC products
- Developed an Android app, Arduino circuit, Python scripts, cloud API, and other software for extensive simulations

Hospital Information Data Utility – Storrs, CT
Project for ***Software Engineering***

- Designed, coded, and tested a software system (in Java) for patients, which reads hospital data/statistics, then calculates and displays a wide range of important information and data within 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

- **Relevant Courses:** Data Structures and Object-Oriented Design | Software Engineering | Systems Programming | Digital Systems Design | Microprocessor Applications Lab | Computer Networks | Operating Systems | Numerical Methods in Scientific Computation | Digital Design Lab | VLSI Design & Simulation | Robotics
- **Honors & Awards:** 1st Place Senior Design Winner, New England Scholar, Dean's List Scholar, Cum Laude Grad
- **Extracurriculars:** 3D Printing Club, ACM Programming Contest