

# HUSSAIN HAMID RASHID AL ZERJAWI

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## WORK EXPERIENCE

### Mechatronik Schule Winterthur - MSW

Information Technology System Technician

Zurich, Switzerland

Aug 2011 - May 2012

- Did troubleshooting and resolved more than 300 on-site issues
- Oversaw the administration and development of relational databases
- Performed server repairs and regularly made server backups
- Dealt with the network infrastructure and automated OS installation of over 500 machines
- Continuously developed and deployed solutions to new problems

### Ishik University Erbil

Backend Developer

Erbil, Iraq

Sep 2012 - Aug 2014

- Implemented RESTful APIs using Python with Flask to interact with over 6000 Students' data
- Deployed and managed Flask environments onto AWS Elastic Beanstalk
- Designed, normalized, and deployed relational MySQL databases using AWS RDS
- Monitored the performance of the school's computer systems and network infrastructure
- Provided training and support to new members of the internal development team
- Automated testing of the university's web application using Java with Selenium
- Collaborated within the team using Agile software development

## EDUCATION

### Columbus State Community College

Associate's degree Computer Science *GPA: 3.74*

Columbus, OH

Jan 2015 - Jun 2017

### Colorado University

Bachelor's degree Computer Science *GPA: 3.25*

Fort Collins, CO

Sep 2015 - Jun 2019

### Metropolitan State University of Denver

Bachelor's degree Computer Science and Minor in Mathematics *GPA: 3.67*

Denver, CO

Jun 2019 - Dec 2020

## SKILLS

Programming Languages:	Java, Python, Javascript ES6, C#, Haskell, SQL, Prolog, Matlab
Frameworks/Libraries:	Flask, Django, jQuery, Selenium, Spring Boot
Database Management:	Neo4j, MongoDB, MySQL, Access, AWS RDS
Web Tech:	HTML5, CSS, REST APIs, JS Frameworks (React, Vue), Bootstrap
Team Tools:	Git, Jira, Slack, Agile (Scrum), GitHub, Cucumber (BDD)
Cloud Tech:	DevOps (CI/CD, Infrastructure, IAM), Cloud Computing (AWS, Azure)
Languages:	English, German, Swiss German, Iraqi Arabic

## PROJECTS

### Inventory query on UDP *Java*

<https://github.com/babylonianLion/Inventory-query-on-UDP>

Created a UDP server and client that interact with each other through query requests.

### LSB steganography *Matlab*

<https://github.com/babylonianLion/LSB-steganography->

A game in which a secret code is hidden within an image where the user must decrypt the image to win.

### Simplified SMTP on TCP *Java*

<https://github.com/babylonianLion/Simplified-SMTP-on-TCP>

A SMTP client and a SMTP server that implement a simplified SMTP protocol based on TCP.

### Red vs Blue *Python, Flask, MySQL, jQuery, HTML, JavaScript, AWS Elastic Beanstalk, AWS RDS, CSS*

<https://github.com/Red-vs-Blue/RvB>

A reddit (forum) like web application that revolves around politics and where people exchange ideas.

## AWARDS

### The most creative project

Ishik University Erbil Hackathon

Recognized for my remote controlled arduino powered quadruped robot

Sep 2013

### Volunteer Participation

ICRC - International Committee of the Red Cross

Recognized for my volunteering participation during the ISIS resurgence

Aug 2014