



SAFWEN LADHARI

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SUMMARY

An enthusiastic computer science engineer. Interested in technologies and projects with high social impact in CyberSecurity, Gaming or e-Health fields.

SKILLS

- Automation testing
- Test-driven development
- Continuous integration
- Python programming
- Frontend development
- Cloud service integration
- Data structure design
- Agile methodologies
- Critical thinking

EXPERIENCE

SOFTWARE ENGINEER, QUALITY - UNITY CLOUD, 05/2022 - Current

Unity, Paris, Île-de-France

- Developed and implemented quality assurance processes to ensure software products met quality standards and adhered to industry best practices.
- Evaluated and improved testing strategies, tools, and processes to enhance software quality and optimize testing workflow.
- Wrote and maintained automated test scripts to streamline testing process and enhance test coverage.

ENGINEERING PRODUCTIVITY ENGINEER, 12/2020 - 05/2022

Vade, Lille, Hauts-de-France

- Keywords : PyTest, Selenium, Cypress, Gitlab CI, Ansible, Terraform, RestAPI, Redis, Elasticsearch, Docker, Mongo, Python, JavaScript.
- Designed engineering solutions that improved product development cycles and user experience.
- Analyzed engineering processes to pinpoint inefficiencies and recommend actionable improvements.
- Collaborated with cross-functional teams to streamline workflows and reduce bottlenecks in project execution.

R&D SOFTWARE ENGINEER, 08/2018 - 10/2020

Constructions-3D, Valenciennes, Nord-Pas-de-Calais

- Developed innovative software solutions for 3D construction modeling applications.
- Developed 3D slicer software (algorithms, backend, GUI) to optimize slicing of large format objects for 3D additive concrete printing.
- Collaborated with cross-functional teams to enhance project workflows and efficiency.
- Conducted rigorous testing and debugging of software to ensure reliability and performance.
- Keywords : C/C++, Qt, Industrial, MVC, Applied Mathematics, Robotics, Slicer, Additive Manufacturing.

INTERN - R&D SOFTWARE ENGINEER, 03/2018 - 08/2018

Constructions 3D, France

- Developed 3D slicer software (algorithms and GUI) for slicing large format objects in 3D additive concrete printing.
- Assisted in developing 3D models for construction projects.
- Collaborated with engineers to ensure design accuracy.
- Utilized CAD software for drafting and design tasks.
- Keywords : C/C++, Qt, Industrial, MVC, Applied Mathematics, Robotics, Slicer, Additive Manufacturing.

INTERN - R&D SOFTWARE ENGINEER, 06/2017 - 08/2017

ENVAST, Tunisia

- Developed interactive display box communicating with Unity3D Game Engine using openCV2, RaspberryPi, and Python frameworks (Flask and Tornado).
- Calibrated projection width, height, and distance between projection screen and box; removed static background from images and sent contour positions of foreground objects.
- Keywords : Python, Opencv, Image Processing, Linux, Web Service, Web Socket, Game Engine, Video Games, Raspberry Pi, Unity3D, Tornado, Flask.

INTERN - R&D SOFTWARE ENGINEER, 08/2016 - 08/2016

XPERT-MECA

- Developed KUKA KR16 robot monitoring and manipulation application using Java and KRL, enhancing interaction with industrial robotics.
- - Robot position in XYZ, AXES, Servo positions.
- - Robot Breaks status
- - Robot Calibration status
- Viewed robot specifications to ensure accurate setup.
- Adjusted robot speed to enhance efficiency during operations.
- Controlled robot movement within XYZ axes for accurate positioning.
- Activated two outputs on the robot for task execution.
- - The robot can be controlled by the GUI or a standard JOYSTICK.
- Enabled control of robot with ability to save multiple positions and generate KRL files for automatic execution.
- Keywords : KUKA, Industrial robot, Industry 4.0, JAVA, Middleware, Swing, KRL.

INTERN - ODOO 9.0 PYTHON DEVELOPER, 07/2016 - 08/2016

Whitescape Technologies

- Interfaced main thread class in ODOO to enable delivery of webpush notifications to users subscribed to the feed, improving communication.

- Developed and managed ODOO 9.0 module to send custom webpush notifications to users, enhancing user engagement.
- Keywords: ODOO, Python, Webpush notification, HTML5, OOP.

INTERN - VB.NET DEVELOPER, 08/2015 - 08/2015

XPERT-MECA, Sousse Governorate, Tunisia

- Created GUI macro for Solidworks to generate multiple extension files from Solidworks formats using VB.net.
- Created GUI macro for Solidworks to generate multiple extension files from Solidworks formats using VB.net.
- Assisted in developing training materials for new interns and staff.
- Collaborated with team members to streamline project workflows and communication.
- Conducted research on industry trends to support project planning and execution.

INTERN - STM32 DEVELOPER, 07/2015 - 07/2015

XPERT-MECA

- Creating the automation part of a machine which calculates the length of a ribbon through a rotary encoder. The length is set by the user by a keypad and the display is done on a 16
- 2 LCD.
- Keywords : Embedded, STM32F4, Rotary Encoder, LCD, Embedded Software.

EDUCATION

Institut Supérieur des Sciences Appliquées et de Technologie de Sousse - ISSAT Sousse, 01/2018

Engineer's degree: Industrial Computer Science and Automation

Utrecht University, 01/2017

Bachelor's degree: Computer Games and Programming Skills

Institut Supérieur des Sciences Appliquées et de Technologie de Sousse - ISSAT Sousse, 01/2014

Preparatory: Mathematics, Physics and Computer Science

WEBSITES, PORTFOLIOS, PROFILES

www.linkedin.com/in/saffist3r

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- PCEP - Certified Entry-Level Python Programmer, [PCEP-30-01]

AWARDS

- ACM TCPC Contestant
- Hacking Diabetes Winner

LANGUAGES

- Arabic, Native or Bilingual

- French, Native or Bilingual
- English, Native or Bilingual
- German, Elementary