



## Ahmed TRIGUI

Work-study Junior Developer

I am a 22 years old passionate guy. I am a skilled software developer and computer vision consultant. I'm very enthusiastic to learn new things and grow professionally.



### CONTACT

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### INTERESTS

Audio books - Mind games

Psychological thriller drama

Team sports - Debugging



### LANGUAGE SKILLS

English: Full professional proficiency

French: Limited working proficiency

Italian: Elementary proficiency

## PROFESSIONAL EXPERIENCES

**February-June 2022 | Web and Computer Vision Developer | 868 solutions**

Development of an AI Video Surveillance Analytics Platform:

- ✓ Real-time face mask surveillance + Age/Gender analytics with custom dataset: Google Colab/Pytorch/Yolov5/Multiple Object Tracking.
- ✓ Neural networks train, test and validation.
- ✓ Motion heatmap generator: OpenCV.
- ✓ Responsive website with client and admin dashboard: HTML5/CSS3/Bootstrap JavaScript/JQuery/Flask/Jinja2/SQLite database.

**August 2021 | Desktop Application Developer | International Airport Sfax-Thyna**

Development of a Desktop application :

- ✓ Medical stock management: JavaFx framework/ Scene Builder FXML/ JDBC/SQLite.
- ✓ Real-time Alert system for expired and out of stock drugs.
- ✓ Export drugs list to csv format.

**June-July 2021 | Moderator – QA | DataNomad**

Speech recognition project :

- ✓ Test and Validation.
- ✓ Data labeling.

**August 2020 | Graphic Designer | STE HORIZON**

Urban communication project :

- ✓ Ads Conception.
- ✓ Ads Desing: Photoshop/Illustrator.

## INDEPENDENT PROJECTS

**2022 | Real-time Football Games Object Detection**

- ✓ Detect players and football: Google colab /Yolov5/ COCO dataset.

**2022 | Automated YouTube Viewer**

- ✓ YouTube auto view bot : Selenium /python/ Google Colab.
- ✓ Use of a random User Agents and Proxies to prevent YouTube detection.

**2022 | Leap Motion Controller**

- ✓ Hand Gestures computer controller: Media Pipe /OpenCV.
- ✓ The software allows users to fully control their computers like mouse control, keyboard typing, swipe slides in presentations, turn volume and brightness up and down and much more...

**2021 | Email Marketing Software**

- ✓ Development of a Bulk Mailer software : Java Swing/ PHP/JDBC/MySQL .
- ✓ Track receivers IP addresses, operating systems and the date time of the seen mark using web beacon.

**2021 | Library Management System**

- ✓ Development of a library management software: Java Swing /JDBC/MySQL database.

**2020 | Snake Game**

- ✓ Desing and development of Snake game: Java Swing.

## CERTIFICATIONS

**2022 | CertiProf: Scrum Foundation Professional Certificate (SFPC) - (English).**

**2021 | Microsoft Technology Associate: Introduction to programming using Java.**

**2020 | Microsoft Technology Associate : Introduction to programming using JavaScript.**

**2020 | Microsoft Technology Associate : Introduction to programming using Python.**

## CORE COMPETENCIES

- **Embedded:** Arduino & C - STM32 & C++ - Raspberry & Python - LabVIEW -FPGA & VHDL - PIC & Assembly
- **Networking:** OSI-TCP/IP-TCP-UDP-Ethernet-UART-SPI-I2C-CAN
- **Data Modeling:** UML
- **Mobile:** Java - XML

## EDUCATION

**2022 – License in Information and Communications technology | Internet of Things– ENET'COM Sfax**

**2019 – Baccalaureate | Computer Science – 9 avril 1938 Sfax**