

# YAZEED OMER ELDIGAIR

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## EDUCATION

### Abu Dhabi University

BS in Computer Engineering *GPA: 3.93/4.00*

Abu Dhabi, UAE

September 2017 - June 2021

## EXPERIENCE

### Tasweiq LIMITED

*Software Engineer*

Abu Dhabi, UAE

August 2021 - Present

- Developed a Chrome extension to scrape LinkedIn profiles and instantly export the data to an Excel file.
- Automated customer data collection by developing a web scraping tool using Python and Selenium.
- Increased time efficiency of data collection by 300%.
- Maintained and built communication channels with potential vendors.
- Managed UI design of the platform done in Figma.
- Managed two interns during their 2-month internship period.
- Constructed a detailed RFP project document.

### Tasweiq LIMITED

*Software Architect*

Abu Dhabi, UAE

June 2021 - August 2021

- Architected entity-relationship diagrams for a customers database and a merchants database.
- Populated the database with an extensive amount of data and imported the data to MySQL.

## SKILLS

Technologies: HTML5, CSS3, Bootstrap, Python, JavaScript (ES6+), React, Node, Express, PostgreSQL, MySQL, RESTful APIs, Chrome Development, Git/Github, MATLAB, LaTeX, Linux  
Languages: English (Fluent), Arabic (Native)

## PROJECTS

### Face Detection App | WEBSITE | GITHUB

Built with React and integrated with Node.js & Express.js using REST for backend routing, user authentication, and database management. Deployed frontend, backend and PostgreSQL database on Heroku. This web app detects faces in image URLs entered by using the Clarifai machine learning API.

### LinkedIn Profile Scraper | GITHUB

A Chrome extension built with VanillaJS and integrated with a local Node.js server that uses SheetJS for exporting data. This extension exports information from LinkedIn profiles to an Excel document.

### Reacher - AI Based Teacher Assistant Robot | PRESENTATION

Built with a ROS framework that utilizes SLAM for mapping environments and Dijkstra's algorithm to navigate them, Python's Porcupine engine for voice activation, Google's DialogflowCX for natural language processing, Python's WebSockets API for UI and backend routing, a Python-based facial recognition algorithm paired with a recommendation engine for providing personalized media content, and a CNN with multiple LSTM networks for cheating detection.

## PUBLICATIONS & AWARDS

### Towards Contactless Learning Activities during Pandemics Using Autonomous Service Robots

*Multidisciplinary Digital Publishing Institute (MDPI)*

Publication can be viewed by clicking [here](#).

November 2021

### IT & Computer Engineering Undergraduate Research Competition 2020

*Abu Dhabi University (ADU)*

Won first place participating with the *Reacher* project.

June 2021

### EGA's Industrial Robots Competition 2020

*Emirates Global Aluminium (EGA)*

Worked with a team of engineers to build an industrial autonomous drone.

April 2021

### NASA Space Apps in Abu Dhabi 2020

*UAE Astropreneur Team, Abu Dhabi Space Apps*

Won first place in the local NASA Space Apps team-based hackathon.

October 2020