YAZEED OMER ELDIGAIR

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EDUCATION

Abu Dhabi University   Abu Dhabi, UAE
BS in Computer Engineering *GPA: 3.93/4.00*   September 2016 - June 2020

EXPERIENCE

Tasweiq LIMITED   Abu Dhabi, UAE
Software Engineer   August 2021 - February 2022

- Built stable, maintainable and reusable React components whilst writing unit tests.
- Participated in daily scrum meetings following agile software development principles.
- Developed 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 tasks by 300%.
- Managed and carried out daily reviews of the web app's UI design done in Figma.

Tasweiq LIMITED   Abu Dhabi, UAE
Software Architect   June 2021 - August 2021

- Architected entity-relationship diagrams for a customers database and a merchants database.
- Expanded the main databases by 250% and imported the data to MySQL.
- Constructed an RFP project document detailing the desired microservices architecture of the web app.

SKILLS

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

PROJECTS

Face Detection Web App | WEBSITE | GITHUB
A full-stack single-page application that utilizes machine learning to detect faces in images. Built frontend with React and backend with Node & Express. Set up a REST API for backend routing, user registration & authentication, and database management. Deployed frontend, backend and PostgreSQL database on Heroku.

LinkedIn Profile Scraper | GITHUB
A Google Chrome extension that extracts information from LinkedIn profiles to an Excel document. Built with VanillaJS and integrated with a Node server that uses SheetJS for exporting the data.

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 WebScokets 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.   December 2020

EGA's Industrial Robots Competition 2020
Emirates Global Aluminium (EGA)
Worked with a team of engineers to build a $20,000 industrial autonomous AI drone.   Jan 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.   April 2020