PAUL ASHRAF

Software Engineer

🎂 08/September/1998   ✅ Military Exempted   @ paulashraf14@gmail.com   📞 +201229117764
📍 Cairo, Egypt   🌐 paulashraf.com   in paulashraf   ⊙ PaulAshraf

EXPERIENCE

INESC, FEUP, University of Porto
Research Assistant

📅 July – September 2019   📍 Porto, Portugal

- Assisted in the research on cutting edge topics like VPPs (Virtual Power Plants) in Commercial Buildings in the field of Power Systems
- Modeled complex power systems using Python, GAMS & MS Excel
- Worked with Dr. Sergio Santos to publish our results

Self-Driving Car Lab (SDC), German University in Cairo
Software Developer

📅 January – March 2019   📍 Cairo, Egypt

- Worked on using Machine Learning and Computer vision to detect car signs and lane lines
- Got experienced with using keras and darknet with TensorFlow deep learning libraries (Python)

Robone
Software Engineering Intern

📅 July 2018   📍 Cairo, Egypt

- Worked on the launch of the company's website. (www.robone.co)
- Got familiar with web development using Ruby on Rails and Angular.js

German University in Cairo
Junior Teaching Assistant

📅 April – December 2018   📍 Cairo, Egypt

- Helped in CSEN202 and CSEN102 classes

Roselle Village Pharmacy
Assistant

📅 September 2017   📍 Sydney, Australia

- Assisted in digitally archiving patient's data

Coptic Mission Hospital
IT Assistant

📅 June 2013   📍 Nairobi, Kenya

- Assisted in setting up the hospital's computer network

PUBLICATIONS

👥 Conference Proceedings
- Gough, M. et al. (2020). "Optimization of Prosumer's Flexibility Taking Network Constraints into Account". In: *IEEE EEEIC 2020*, pp. 1–6.

OBJECTIVE

Seeking a role as a Software Engineer where by my experience in Computer Science Engineering could be of use and further developed.

TECHNICAL SKILLS

🌐 Web Development

- Expert in frontend development using **React** with **CRA** (client-side), **Gatsby** (static) & **Next** (server-side)
- Expert in DBMS using **MS SQL Server**, **PostgreSQL** & **MongoDB**
- Expert in backend development using **Node**
- Experience in **Redux**, **Redux Toolkit**, & **Redux Saga**.
- Mild experience in **Ruby on Rails**, **Go** (backend) & **Angular** (frontend)

🗄 Data Science

- Expert in Machine Learning and Deep Learning using **TensorFlow** and **Scikit-learn** (**Python**)

⟨⟩ Games and Desktop Applications

- Expert in desktop apps development using **Java** and **Python**
- Experience in game development using **OpenGL** (**C++**)

LANGUAGES

English   ●●●●●
German   ●○○○○

EDUCATION

Computer Science Engineering B.Sc.
German University in Cairo

📅 2016 – 2021

🏆 Current GPA: "Excellent"

IGCSE
New Ramses College

📅 2012 – 2016

🏆 Straight A* in 8 IGCSEs and 3 A-Levels "100%"