



CURRICULUM VITAE

SURNAME

Aboubakr

NAME

Mohamed Abdelrahman Mohamed

ADDRESS

Jena, Germany

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NATIONALITY

Egyptian

DATE OF BIRTH

24.10.1996 in UAE

JOB AND INTERNSHIPS

| | |
|-------------------|---|
| 03/2020 - 11/2020 | Mi2-factory GmbH, Jena, Germany 8 months working as Development Engineer |
| 06/2019 - 10/2019 | Mi2-factory GmbH, Jena, Germany 4.5 months internship in nanostructure and simulations |
| 06/2017 - 07/2017 | Al-Futtaim Engineering, UAE 6 weeks training in Technical and Electrical Sector |
| 06/2016 - 07/2016 | Federal Electricity & Water Authority, Fujairah, UAE 6 weeks training in Electrical and Power Sector |

EDUCATION

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|---|---|
| 10/2017 - 03/2021 German GPA: 1.6 | Master Science in Scientific Instrumentation Ernst Abbe Hochschule Jena |
| 09/2013 - 07/2017 CGPA: 4.0 | Bachelor Science in Electrical Engineering/Communication Ajman University, Fujairah, UAE |
| 09/2010 - 06/2013 98.8% | High School Degree Fujairah Islamic Scientific Academy for Higher Education |

ACADEMIC PROJECTS

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| 11/2020 – 02/2021 | Monte-Carlo Ion Implantation Simulations on a Masked Structure: Super-junction Devices |
| 10/2019 – 01/2020 | Monte Carlo simulations of ion implantation with novel energy filter structures and setups |
| 10/2016 - 05/2017 | Environmental Monitoring in UAE using Unmanned Aerial Vehicle |

PUBLISHED PAPERS

| | |
|---------|---|
| 12/2017 | Mohammed Abdelrahman, Ahmed Balkis, Ali-Abou Ahmed ElNour, Mohammed Tarique, "Environmental Monitoring System by Using Unmanned Aerial Vehicle", Network Protocols and Algorithms, Macrothink Institute ISSN 2017, Vol. 9, No. 3-4; https://doi.org/10.5296/npa.v9i3-4.12021 |
| 04/2017 | Ali Abou-Elnour, Mohamed Odeh, Mohammed Abdelrahman, Ahmed Balkis, Abdelraouf Amira, "Measurement of greenhouse gases in UAE by using Unmanned Aerial Vehicle (UAV)", Proc. SPIE 10168, Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems 2017, 101682S (12 April 2017); https://doi.org/10.1117/12.2260026 |

AWARDS AND HONORS

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| 09/2019 | DAAD end-of-study scholarship for outstanding students |
| 04/2017 | Best poster winner in the Ninth Annual Undergraduate Research Conference for "Water Quality Monitoring in UAE using UAVs" project at Zayed University |
| 11/2016 | First place winner of A best project idea "Environmental Monitoring using Unmanned Aerial Vehicles" in "Fujairah innovates" competition at Ajman University |

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| 04/2016 | Elite University Student winner in "Hamdan Award" |
| 03/2015 | Third place winner in Cultural competition for colleges held at Ajman University |
| 01/2015 | Second place winner in "Akoun" Business Idea Award |
| 12/2014 | First place winner in "Elite University Student" competition at Ajman University |
| 11/2014 | Second place winner in "Best project idea" in pioneer club at Ajman University |

SKILLS AND ABILITIES

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| Language Skills | English German Arabic | Professional B1.2 Native Speaker |
| Organizational Skills | Innovative Hard Worker Diligent and Fast Learner Problems Solver Responsible Enthusiastic Self Motivated Team Worker Good in Communication Skills | |
| Computer Skills | Microsoft Office (Word, PPT, Excel) C++ Coding Python Matlab Cisco tracer packet Multisim App Inventor PLC programming Ansys Autodesk Inventor TracePro Quartus HTML | |

MORE ABOUT ME

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|-------------------|--|
| 07/2015 - 08/2015 | Influential Volunteer in "Ataa" group under supervision of culture and youth ministry, Fujairah, UAE |
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