

Haider Rizvi

Orta Dogu Teknik/Middle East Technical University – Turkey

Bsc Computer Engineering,

Bsc (minor) Electrical Engineering.

(Prospective PhD in Electrical Engineering at University of Michigan / Imperial College of London or Germany)

Research in EV/Hybrid Drivetrains, Koenigsegg Free Valve Technologies, AEM EV, SynRM Motors.

Proficient in Academic English, B1->B2 Academic German, Turkish.

The Engineering Side of things (Exclusive of software):

- Proficient at MATLAB, EM Works, SolidWorks, CAD Design, CNC, 3D Printing, stress simulation, carbon fiber and metallurgical structures.
Worked with EV/Hybrid Drivetrains, Koenigsegg Free Valve Technologies, Camless engines, AEM EV, SynRM Motors.
Extensive Knowledge overseeing HVAC, Solar and Renewable Energy Solutions, battery Technologies for designing Datacenters.
- Researcher on Liquid Crystal & OLED displays – Imperial College London.
Computers, NAS, Datacenter Experience.
Worked closely with IBM, Samsung, LG, Corsair, Razer, Intel, AMD, Nvidia.
Worked closely with Afreen Chemicals/Arfeen Group of Companies (Pakistan).
Worked and trained by Senior Software Engineers.

The Business Management Side of things:

- Expertise in Combining Business and Engineering solutions.
- Worked with IBA MBA graduates and delegations to evaluate business operations and processes, identifying areas for improvement.
- Attended supply chain management courses and executive MBA meetings at IBA.
- Extensive knowledge of both Pakistani & international business operations, project management, supply chain and process/manufacturing & improvement.
- Extensive in electronic, semiconductor fabrication, IBM / AWS based business management systems.
- Ability to critique business articles, books, business and stock research publications.
- Knowledge of systems and software engineering (specifically Google's Dev-OPs) principles to optimize integration of subject expertise in software solution designs.
- Exceptional leadership, mentorship, and communication skills while working with companies and teams from foreign countries.
- Excellent database and manual recordkeeping, backup and documentation skills.
- Consulted across business operations, providing mentorship and specialized knowledge from Chemical Engineering into mainstream business.
- Collaborated, managed IT teams, Software engineering teams, during the software development life cycle, providing subject expertise and guidance.
- Extensive knowledge and experience with business analytics.

The Software Engineering Side of things:

- Low level software development in C/++, Assembly.
- Designed PS2 and Xbox Emulation software.
- Academic knowledge of Java, Python, PyTorch Machine Learning, Nvidia Libraries.
- Extensive Experience in Game Development and Game engines, Shading methods.
- Intermediate work with websites, webhosting app development.

Formal Work Experience:

- Staff Member and & Lead of Karachi for PPG (Pakistan PC Gamers)
- Dongguan City Kailhua Electronics Co. Ltd. (Nov 2020 – Sep 2022)
- Electrical Engineering (Remote) at Corsair (June 2020 – May 2021)
- AMD Adrenalin Software Beta Tester (Mar 2017 - Sep 2019)
- CPU Expert at TomsHardware (May 2015 – Dec 2018)
- Spigot Community Minecraft Plugin Dev (May 2013- May 2015)

Startups and Businesses I'm a part of:

- Pakistani PC Gamers ([PPG – Pakistani PC Gamers – Pakistan's Largest PC Gaming Community and Media Platform. Established in The Year 2011 – Promoting PC Gaming in Pakistan.](#))
Regulating Pakistan's Hardware shortages and problems facing the PC Gaming and freelance community, overseeing Pakistan's Tekkan EVO Toyko/South Korea eSports team ft (Arsalan Ash).
- The Gamesmen ([HOME - The Gamesmen](#))
Peshawar-Lahore based import warehouse for hardware and enterprise grade solutions, Amazon & Corsair leftovers, website designed by me.

Recommendations from professors and former/current team members recruiters available on request.

Cheers 😊