Faeq Faisal

Software Engineer

⚲ London, Greater London, UK

♔ 28/08/2004 ✉ faeqfaisal@hotmail.co.uk ☎ +44 7775 901 092

🌐 faeq-f.github.io
 Faeq-F
in faeq
faeq

Experienced and creative software engineer with a solid foundation in the field, possessing over 7 years of dedicated work and commitment. Seeking an exciting industry placement to leverage my skills and contribute to an organization devoted to excellence.

EDUCATION

Royal Holloway, University of London   (01/09/2022 - 30/06/2026)
BSc Software Engineering (with a Year in Industry)   In progress

The Heathland School   (01/09/2020 - 30/06/2022)

A-Level, Computer Science   A

A-Level, Mathematics   B

A-level, Physics   C

The Heathland School   (01/09/2018 - 30/06/2020)

GCSE, Computer Science   9

GCSE, Mathematics   7

GCSE, Physics   7

GCSE, English   7

GCSE, Biology   8

The Heathland School   (01/09/2015 - 30/06/2018)

WORK EXPERIENCE

Siemens   (24/05/2023 - 24/06/2023)
Work Experience

- Immersed myself in the world of smart infrastructure and sustainability
- Gained valuable knowledge about the prototyping development model
- Furthered my understanding of how innovative solutions are created and tested in a professional setting

Cisco   (14/02/2022 - 17/02/2022)
Pathway to Your Future Work Experience

- Gained insights into the IT sector's inner workings, experiencing the synergy among different roles
- Actively contributed to a team effort in pitching an app idea to potential investors
- Honed my collaborative and communication skills while delving into new technological innovations

The Heathland School   (01/09/2017 - 30/06/2022)
Acting as a consultant

- Held the position of Subject Captain and acted as a consultant
- Provided essential support to fellow students in their coursework, classwork, and homework assignments
- Facilitated learning both during extracurricular clubs and within the classroom

Young Professionals   (15/09/2021 - 13/04/2022)
Tech the Future - Technology Work Experience

- Explored ground-breaking technologies like blockchain that are driving future transformations
- The event underscored the pivotal role of computing in advancing a safer and more prosperous world
- Reinforced my dedication to leveraging technology for positive change

CERTIFICATIONS

Foundational C#
Microsoft & freeCodeCamp

- Built upon my existing knowledge of Java, and enhanced my programming skills
- Leveraged C# to embark on a new project named Quokka
- Applied this acquired expertise to create a new innovative solution

Senior Mathematical Challenge
UKMT

- Tackled intellectually stimulating mathematical questions
- Questions were specifically designed to sharpen my high-level mathematical reasoning, precision of thought, and fluency
- Reflects my commitment to continuous growth and problem-solving skills

Royal Institution Masterclasses
RI & University of Kent

- Cultivated a profound understanding of the computing realm
- Hands-on experience in working with various APIs and programming hardware, including the Raspberry Pi and Arduino
- Broadened my knowledge and practical skills in the field of computing

Web Development
Mimo

- Among my other certifications from Mimo, this stands out as the most comprehensive and practical
- Acquired a proficient understanding of key web development components, including HTML, CSS, JavaScript and SQL
- Knowledge was put to the test as I successfully published a website, ensuring its security and functionality

PERSONAL PROJECTS

Quokka   (01/01/2020 - 01/04/2020)

- Highly customizable keystroke launcher designed specifically for Windows
- Portable application boasting a plugin architecture, enabling users to extend its functionality according to their unique needs
- Gained proficiency in a range of programming languages and technologies, including C++, C#, XAML, WPF, and WinUI3
- Exemplifies my commitment to versatile software development and my dedication to empowering users with tailored solutions
- In a prior iteration of Quokka's codebase, I harnessed a diverse range of tools and technologies, including Node.js, Electron, TypeScript, HTML, and CSS. This allowed me to explore innovative ways to enhance Quokka's functionality and user experience.

🔗 https://github.com/Faeq-F/Quokka

C#, WPF, Electron, Node.js

WRDSRCH   (01/01/2020 - 01/04/2020)

- A word search solver designed for Android, submitted during the Royal Hackaway v6, a challenging 48-hour hackathon
- As one of the backend developers on a collaborative team of three, I played a pivotal role in seamlessly integrating OCR
- My primary objective, within this intensive project, was to ensure precise recognition and accurate passage of the grid of letters to the solution-finding algorithms, maintaining low error rates
- Reflected my ability to collaborate in a team environment and thrive under tight deadlines

🔗 https://github.com/Faeq-F/WRDSRCH

Java, Kotlin, Android

Gideon   (01/01/2020 - 01/04/2020)

- A versatile automated personal assistant, akin to well-known services like Alexa or Google Assistant
- It's designed to seamlessly interact with various APIs and services, providing users with comprehensive responses to queries, all while being functional both online and offline
- My primary focus throughout this project, as in my other work, centres on aiding the end user in their daily life

🔗 https://github.com/Faeq-F/Gideon

Python, Tkinter

References available upon request