

# Faeq Faisal

✉ faeqfaisal@hotmail.co.uk 📞 +44 7775 901 092

🌐 faeq-f.github.io

🔄 Faeq-F

in faeq

Experienced software engineer with over seven years of dedicated work and a solid foundation in the field. Seeking an exciting to leverage my skills and contribute to an organization devoted to excellence. Proficient in a variety of programming languages including Highly effective in collaborative teams, combining strong problem-solving skills and technical expertise. Eager to apply my knowledge and passion to help drive success in a formal, professional environment.

## EDUCATION

**Royal Holloway, University of London**

(01/09/2022 - Present)

BSc Software Engineering (with a Year in Industry)

In progress

Relevant modules:

### The Heathland School

A-Level | Computer Science - A, Mathematics - B, Physics - C

(01/09/2020 - 30/06/2022)

GCSE | Computer Science - 9, Mathematics - 7, Physics - 7, English - 7, Biology - 8, etc.

(01/09/2018 - 30/06/2020)

## WORK EXPERIENCE

**Siemens**

(24/05/2023 - 24/06/2023)

Work Experience

- Explored smart infrastructure, sustainability, and the prototyping development model, gaining insights into technologies like digital-twin simulation-based engineering and Siemens' frameworks, like Coaty for IoT.
- Furthered my understanding of professional solution development and testing.

**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.
- Honed my collaborative and communication skills by actively participating in a team effort to pitch an app idea to potential investors, which involved developing detailed mock-ups.

**The Heathland School**

(01/09/2017 - 30/06/2022)

Acting as a consultant

- Served as a consultant and fulfilled my volunteering role as a Subject Captain; actively supported and mentored younger students in computer education, providing valuable insights into code-related issues and problem-solving.
- Provided essential support to fellow students in their coursework, classwork, and homework assignments, fostering learning in both extracurricular clubs and the classroom.

## CERTIFICATIONS

### Foundational C#

(11/09/2023)

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

### Web Development

(04/11/2022)

Mimo

- 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

### Royal Institution Masterclasses

(30/09/2021)

RI & University of Kent

- Deepened my comprehension of the computing domain spanning diverse areas, including but not limited to information security, computer architecture, Digital Signal Processing (DSP), and Human-Computer Interaction (HCI)
- Hands-on experience in working with various APIs and programming hardware, including the Raspberry Pi and Arduino

### Senior Mathematical Challenge

(01/10/2020)

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

## 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
- A prior iteration of Quokka's codebase, 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
- My primary focus throughout this project, as in my other work, centres on aiding the end user in their daily life. I gained valuable experience, seamlessly integrating various APIs and services, providing users with comprehensive responses to queries.

↪ <https://github.com/Faeq-F/Gideon>

Python, Tkinter

References available upon request