Hayley Kwok

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| **Tel:** +44 07366 069044 | **Email:** [wingk1226@gmail.com](mailto:wingk1226@gmail.com) | **Website:** <https://hayley-kwok.github.io/> |
| **LinkedIn:** [Hayley Wing Yin Kwok](https://www.linkedin.com/in/hayley-wing-yin-kwok/) | **Github:** [@Hayley-Kwok](https://github.com/Hayley-Kwok) | **Pluralsight Profile:** <https://app.pluralsight.com/profile/hayley-kwok> |

Adaptable and passionate developer with full development lifecycle experience of web applications and desktop applications across different tech stacks. Most experienced with .NET (C#).

SKILLS

* *Programming languages:* C#, Kotlin, Go, Java, Python, JavaScript, TypeScript, Haskell, Ruby.
* *Website Development (Back End):* .Net Blazor, Spring Boot, Flask & Jinja2, Ruby on Rails.
* *Website Development (Front End):* Angular, React, Bootstrap, HTML5 & CSS.
* *Desktop Application Development:* .NET WPF, Electron.
* *DevOps:* Jenkins, Azure DevOps Server, GitHub Actions.

WORK EXPERIENCE

**Software Engineer | American Express | Burgess Hill, UK Jun 2023 - Present**

* Worked in a back end team for the network connectivity between merchants and SafeKey.
* Worked on stories ranging from nginx, certificates management to gRPC using Go.
* Worked on a batch processing tool for encrypted files from concept to production, including solution proposal, execution, testing and data security evaluation.

**Graduate Software Engineer | American Express | Burgess Hill, UK Sep 2022 - Jun 2023**

* Worked in a full stack team for the development of a B2B cross-currency payment system.
* Worked on stories ranging from front end user interface changes, accessibility improvement, API endpoints changes, scheduling jobs creation to Jenkins deployment using Spring Boot, Kotlin and React.

**Software Engineering Summer Intern | Panaseer | London, UK Jun 2021 - Sep 2021**

* Added new features to the web client and API server using Angular and Java Spring Boot.
* Built a new data ingestion connector for the data source of the application using Apache NiFi.

**Junior Software Engineer | Certara UK Limited | Sheffield, UK Jun 2020 - Jun 2021**

* Worked on projects to improve the main product (Simcyp Simulator)’s performance.
  + Used “lazy loading” to reduce the software’s start-up time by 10%.
  + Built a code generation tool to replace the Fody package that led to changes in 310+ files.
* Developed WPF applications using the MVVM pattern, C#, .NET 5 and .NET framework.

**Web Developer | NotiFacts | Birmingham, UK Aug 2020 - Jan 2021**

* Converted designs to the company’s website using Bootstrap and HTML5 and worked on the back-end server development using Python Flask.

EDUCATION

**BSc in Computer Science with a Year in Industry | University of Sheffield 2018 - 2022**

* Final Grade: First-Class Honours.
* Dissertation on data visualisation of user’s social media data. A single-page application with client-side-only processing is developed with .NET Blazor WebAssembly as part of the project.
  + Demo link:<https://hayley-kwok.github.io/Privasight/>
* **Computer Science related activities:** Demonstrator for Python & Java beginner modules; Student Mentor for a Python Beginner Course by Code Creators Sheffield.
* **Leadership roles:** Treasurer for the Sheffield Women in Computer Science Society; International Engineer Ambassador; Academic Representative; Computer Science Student Representative; Maths & Student Mentor for first-year students.