Hayley Kwok

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Adaptable and passionate developer with full development lifecycle experience of web applications and desktop applications across different tech stacks.

SKILLS

- ✓ *Programming languages:* C#, Java, Python, Kotlin, 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 networking team for the network connectivity between merchants and SafeKey.
- ✓ Worked on stories ranging from nginx, certificates management to gRPC using Go.

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.
  - o Used "lazy loading" to reduce the software's start-up time by 10%.
  - o 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, .NET framework and Azure DevOps Server.

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.
  - o 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.