# HAYLEY WING YIN KWOK

## Software Developer | Computer Science Student

### CONTACT

📞 +44 07366 069044

✉ wingk1226@gmail.com

🌐 https://hayleykwok1.github.io/

in Hayley Wing Yin Kwok

@HayleyKwok1

### KEY POINT

- 2+ years of programming experience
- Pluralsight Profile
- Quick adaptability
- Open to challenges
- Excellent communication and self-learning skills
- Team Player

## ABOUT ME

- Undergraduate Computer Science Student at the University of Sheffield
- Currently doing a placement year as Junior Software Engineer at Certara UK Limited
- Experienced in all aspects of the development cycle in Windows applications and websites
- Enthusiastic about technology

## EDUCATION

**Bachelor of Science: Computer Science with a Year in Industry**
University of Sheffield, 2018 – Present
- First-Class Performance in Year 1 & 2

**The Hong Kong Diploma of Secondary Education, 2018**
- 7 Subjects graded 5**- 4, with 5** in Information and Communication Technology and 5* in Mathematics Compulsory Part
- UCAS Tariff Points: 146

## TECHNICAL SKILLS

**Programming Languages:** C#, Python, Java, Haskell, Ruby, C++

**Web:** HTML5, CSS, Bootstrap, JavaScript, Flask, Jinja2, Ruby on Rails, Sinatra

**Others:** MS Office, Git, Linux, WPF, Visual Studio, Azure DevOps, SQLite, MySQL, PostgreSQL, Agile Methodologies, Scrum Methodologies, Databases, Algorithm Design, Data Structures, UML diagrams and OOP concepts

## WORK & VOLUNTEERING EXPERIENCE

**Junior Software Engineer**
Certara UK Limited, Jun 2020 – Present
- Involve in full software development life cycle including design, validation, testing, CI/CD pipelines building and full customer support
- Experience in WPF applications development using MVVM pattern, C# and Azure DevOps Server

**Web Developer**
NotiFacts, Aug 2020 - Present
- Involve in the front-end development of the website using Bootstrap and HTML5 and back-end development using Python Flask

**Software Engineering Virtual Internship**
JPMorgan Chase & Co, Apr 2020
- Had the opportunity to explore life as a software engineer in Fintech
- Worked on financial analysis and data visualisation tasks using React, Typescript and Python

**International Engineering Ambassador**
University of Sheffield, Nov 2019 - Present
- Representing the Faculty of Engineering to promote the University to prospective students and answering their enquiries professionally

**Treasurer**
Sheffield Women in Computer Science Society, Apr 2019 – Apr 2020

- Worked with companies in the IT industry like Arm Ltd to promote the role of women within the industry
- Took up the responsibility to manage and monitor the financial account of the society

### Academic Representative
University of Sheffield, Sep 2019 – Jun 2020

- Worked alongside the University and Students' Union to improve students' education
- Developed skills in collecting and presenting information better and communicating with people from different backgrounds

## COMPUTER SCIENCE RELATED ACTIVITIES

### Second Place Winner
HackMed, Mar 2020

- Worked in a team of four to develop a web app to help people suffering speech impairment using the Emotiv wearable EEG and the pepper robot
- Made use of React, Bootstrap and Python Flask to build the website
- Project Devpost Link

### Student Mentor for a Python Course
Code Creators Sheffield, Oct 2019 – Jun 2020

- Helped to address students' questions in Python
- Developed skills in explaining technical concepts and delivering educational materials to laypeople in a simple and logical manner

### Sir William Siemens Challenge, Nov 2019

- Built a lift system with a physical model and a virtual model on the website to display the provided data in 48 hours with six students from different engineering disciplines
- Responsible for data manipulation that developed the attention to details
- Project GitHub Link

## Projects

### Software Hut (Group Web Project at University)

- Worked with three Computer Science students to build a website in agile with the use of Ruby on Rails and MVC pattern from design to deployment and testing for the School of Health and Related Research to replace the current ACCESS database for the clinical trials support management

### OCR Project in University (Data Science Project at University)

- Built an optical character recognition system that can process scanned book pages and turned them into text using Python and Python packages like NumPy and SciPy (without using the scikit-learn module)
- The training process consisted of three stages: Dimensionality reduction (Feature Extraction), Classifier Training and Error Correction

### Bombe Simulator (Individual Project at University)

- Made use of Haskell and functional programming design pattern to build a Bombe simulator to break the Enigma-machine-encrypted messages
- Project GitHub Link

### Bank Statement Analysis Application (Personal Web Project)

- Built an application that analyses users' bank statement and displays the result through a web interface
- Built using Python, MySQL, Flask, Jinja2, Bootstrap, Web APIs and HTML5
- Project GitHub Link