

HAYLEY WING YIN KWOK

Software Developer | Computer Science Student

CONTACT

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KEY POINT

- 2+ years of programming experience
- Experienced in procedural, object-oriented and functional programming
- [Pluralsight Profile](#)
- Quick adaptability
- Excellent Communication Skills
- Desire to learn
- Outstanding ability to self-learn
- Earliest Availability: May 2021

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 and Open to challenges
- Looking for a summer intern starting in Summer 2021

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, TFS, Linux, WPF, Visual Studio, SQLite, MySQL, PostgreSQL, Agile Methodologies, Scrum Methodologies, Algorithm Design, Data Structure, 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 and full customer support
- Experience in WPF applications using the MVVM pattern and C#

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 the Fintech field
- Worked on financial analysis and data visualisation tasks using React, Typescript and Python

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

LANGUAGES

- Cantonese (Native)
- English (Proficient)
- Mandarin (Proficient)

REFERENCE

- References are available on request

International Engineering Ambassador

University of Sheffield, Nov 2019 - Present

- Responsible for representing the Faculty of Engineering to promote the University to prospective students and answering their enquiries in a professional manner

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 three to develop a website to help people suffering speech impairment using the Emotiv wearable EEG and the pepper robot
- Made use of React, Bootstrap, Flask and Jinja2 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](#)

Python for Web Development Course

Code First: Girls, Feb 2019 - Apr 2019

- Experienced in using GitHub and Heroku
- Delivered multiple projects like a web translator in a web app form through Python Flask, Jinja2, Web APIs and HTML5

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

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 and HTML5
- [Project GitHub Link](#)