Shuxiang Hu

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Personal Statement:

A Second Year Computer Science student with essential programming skills and development methodology.

Education:

University of Nottingham UK **September 2020 – now**

BSc Hons Comp Sci with AI

- Operating System and Concurrency (92%)
- Developing Maintainable Software (88%)
- Algorithm Correctness and Efficiency
- Introduction to Image Processing
- Artificial Intelligence Method
- Language and Computing

University of Nottingham China **September 2018 – June 2020**

BSc Hons Comp Sci with AI

Preliminary Year: average grade (80.4), GPA (4.0)

Qualifying Year: average grade (79.5), GPA (4.0)

Modules included:

- Programming and Algorithms (85%)
- System and Architecture (83%)
- Programming and Paradigms (79%)
- Fundamentals of Artificial Intelligence (81%)
- Database and Interface (71%)
- Computer Fundamentals (81%)

Research Interest:

- Data analysis
- Computer vision
- Natural language processing

Work Experience:

FoSE Research on Image Colorization   July 2020 – August 2020
Colorization of grey images with deep neural network

- I reviewed state of art papers and was quick to learn the novel concepts mentioned in the papers.
- I analysed current network models and hypothesized a model using SIFT.

Woolin Auto Facemask Sales Systems April 2020 – May 2020

- I designed and implemented a database system to store information of transactions and various user accounts. Database design methodology like normalization was applied to my work and entity relationships were well represented in the database.
- I developed a website interface for customers, representatives, and managers to register, login, process transactions and update their account information.
- I wrote detailed test log, report and also user manual for this website.

Technical Skills:

- Java, Python (pytorch), C/C++, Javascript, Assembly language
- SQL and Database design
- Essential AI techniques (ML, DL, CV, NLP)
- Matlab, Jupyter notebook, Markdown, Git

Extracurricular activities:

- ASC course on Application of AI in Education (online, 2020)

I conducted secondary research on context generation for English learning and   my paper was marked 80%.

- Havard Summer School Project (on site, 2019)

My speech on Virtual Reality earned me "The best Speaker" at the end of the project.

Honors / Awards:

- Dean's Scholarship (2019-2020)
- Dean's Scholarship (2018-2019)

Languages:

- Chinese (mother tongue)
- English (CET 6)
- Japanese (Beginner)