

# NICHOLAS HILL

## Computer Science Graduate

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## EDUCATION

MSc. with Honours in Computer Science (1st Class)  
University of Nottingham

📅 Sep. 2013 – Jul. 2017

Areas of Study:

- Advanced Computer Networks (Java)
- Application Programming (Java)
- Software Quality Management (Java)
- Mixed Reality Technologies (Python)
- Computer Security

A Levels in Mathematics, Geography, & IT  
Beaumont School Sixth Form

📅 Sep. 2011 – Aug. 2013

GCSEs in Triple Science, Business, & English  
Beaumont School

📅 Sep. 2006 – Aug. 2011

## PROJECTS

Opportunistic Routing Protocols  
University of Nottingham

📅 Sep. 2016 – Jan. 2017

- Evaluated the performance characteristics of two opportunistic routing protocols in the Opportunistic Network Environment (ONE) simulator.

Teach Me Maths Application  
University of Nottingham

📅 Sep. 2015 – Jul. 2016

- An Android application that utilised visual aids and tools to support young people with visual impairments.

Autonomous Robot Image Tagging System  
University of Nottingham

📅 Sep. 2014 – Jul. 2015

- An integrated system composed of an autonomous, image-capturing, Arduino robot and a website allowing users to tag objects for improved image recognition.
- Coordinated an Agile development team comprised of both British and Chinese international students.
- Lead developer for the front-end of the website and UI developer for the tagging system interface.

## ACHIEVEMENTS

🏆 **HSK Level 3**  
Received a score of 91% in the standardised Chinese language proficiency test.

🏆 **7Digital/Esendex Prize for Software Quality**  
The development of an Autonomous Robot Image Tagging System.

🎮 **C++ Hall of Fame, University of Nottingham**  
One of the highest attaining C++ game projects of the year.

## EXPERIENCE

English Teacher  
Cannan Kindergarten

📅 Nov. 2018 – Jun. 2019    📍 Kowloon, Hong Kong

- Utilising previous experience to improve student learning.
- Analysing and critically reflecting upon student progress.

Teacher  
Smartforce International Kindergarten

📅 Sep. 2017 – Jul. 2018    📍 Shenzhen, China

- Motivated and inspired students, encouraged learning through experience.
- Attained 97% in the GA Level 3 Certificate in Teaching English as a Foreign Language.

## SKILLS

Adobe Suite    LaTeX    Microsoft Office

Java    Python    Web Development

## LANGUAGES

English    ● ● ● ● ●

Mandarin Chinese    ● ● ● ● ●