

# Zijun Yan

## PERSONAL INFORMATION

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## EDUCATION

**University of Cambridge**, Cambridge, UK

Oct 2016 – Now

- First year: Computer Science with 50% Maths option (RESULT: 2.1)
- Second year: Computer Science (DOING)
- For further courses information: <https://www.cl.cam.ac.uk/teaching>

**Concord College**, Shrewsbury, Shropshire, UK

Sep 2014 – Jul 2016

- A-Level in Maths (A\*), Further Maths (A\*), Physics (A\*), Chemistry (A\*)

## WORK EXPERIENCE

**Shanghai Media Group Limited**, Shanghai, China

Aug 2015

- A shell tool development
  - A shell tool generating daily TV stream data report from mySQL database by corresponding SQL command and sending the report to an email list
  - Skills included: C#, SQL, .NET framework and smtp service

**Langsheng Education**, Shanghai, China

Jul 2016 – Aug 2016

- Summer course for A-Level international students
  - Maths, Physics and Chemistry lessons
  - University application suggestions
  - Skill included: information representation and communication with clients

## TECHNICAL SKILLS

- Java, C/C++, ML, R, python, Verilog
- Basic algorithms and data structures
- Basic ML methods and their maths concepts

## PROJECT

**LR(0) calculator**

- A compiler which takes a text file which describes a set of symbol properties and their lex rules, a LR(0) grammar and a Java class file which defines methods for production rules.
- Source code: <https://github.com/yanzijun922/ParserStudy>

**Text OCR**

- A picture processing program transfers picture to text by image processing and ML techniques such as clustering and SVM.
- Source code: [https://github.com/yanzijun922/TXT\\_OCR](https://github.com/yanzijun922/TXT_OCR)