Kevin Cen

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EDUCATION

Imperial College London – London, UK   September 2019 – Present
BEng Computing
- First Year: First Class. 84.1% overall including 91% Java. (**Dean's List**)

Prior Pursglove College – Guisborough, UK   September 2017 – June 2019
A Levels
- **4A*s** in Computer Science, Maths, Further Maths, Physics.
- Academically ranked **1st** out of **522** students taking A-Level in the college.

EXPERIENCE

Computer ConQuest – Shangton, UK   August 2020 – October 2020
Software Development Intern
- Worked full-stack, implementing crucial owned property mortgage calculations and heavily redesigning the web-app's front end for the Brickflow project.
- Built and redesigned automatically generated reports for the DST Salvo project.
- Experience gained: Git, TypeScript, C#, SASS, AngularJS, HTML.

PROJECTS

visuAlgorithm – GitHub   Jun 2020 – Jul 2020
- Created an algorithm visualiser of 13 different algorithms including: A* pathfinding, Quicksort, Depth and Breadth First Searches, Prim's and Kruskal's maze generation, etc.
- Used JUnit to implement unit tests such as testing if heuristics are consistent.
- Skills: Java, JUnit, CSS, Gradle, Git

ARM11 Group Project – GitHub | YouTube Demo   May 2020 – Jun 2020
- One of the Top 5 Projects from 47 groups.
- Built an ARM11 assembler and emulator.
- Leading the group for our extension, we built an audio spectrum visualiser using FFTW and SDL which could be displayed on an LED matrix with a Raspberry Pi. (90%)
- Skills: C, Git, Raspberry Pi.

iMProve – GitHub   Dec 2018 – Mar 2019
- Built a music theory study system including flashcards, adaptive music theory testing and graphs of scores.
- Currently in use by former piano teacher and her young students.
- Skills: Java, CSS, SQL (using MS Access).

AWARDS

Dean's List 2020   Aug 2020
- Top 10% academic results in the first year.

Best Entertainment Hack (2nd Place) – GitHub   Feb 2020
- Led my group of 5 freshers to build a Department of Computing themed escape-shooter game.
- IC Hack 2020 - Largest student run hackathon in the UK.

UKMT Senior Maths Challenge   Dec 2018
- Best-in-College, Best-in-Year, Gold Certificates.

TECHNICAL SKILLS

- **Programming langualges:** Proficient in Java, Python; familiar with C, SQL; previously used Visual Basic, Haskell, C#, JavaScript/TypeScript.
- **Tools and Technologies:** Experienced with Git, JavaFX, JUnit; familiar with Linux, CSS/SASS, LaTeX, HTML; exposed to Gradle, AngularJS.

VOLUNTEER WORK

- Regularly assisted and tended to 5-10 elderly residents in Roseberry Court Care Home.   Dec 2017 – Feb 2018
- Led a group of 15 students to fundraise and refurbish Redcar Guides Hall.   Jul 2017 – Sep 2017
- Organised and planned events for 25k Youth Centre for 30 children on average.   Apr 2016 – Sep 2017