

KEVIN CEN

☎ +44 7944013110 • ✉ hi@kevcen.com • in www.linkedin.com/in/kevcen • 🌐 www.github.com/kevcen

EDUCATION

Imperial College London – London, UK September 2019 – Present

MEng Computing

- First Year: 84.09% overall including 92% Java, 91.48% Databases. (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.

PROJECTS

visuAlgorithm – <https://github.com/kevcen/visuAlgorithm> 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 the heuristics are consistent.
- Skills: Java, JUnit, CSS, Gradle, Git

ARM11 Group Project – <https://github.com/kevcen/audiovisualiser> May 2020 – Jun 2020

- 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%)
- Tested with our own unit tests and Valgrind (memory leak checker).
- Skills: C, Git, Raspberry Pi.

iMProve – <https://github.com/kevcen/iMProve> Dec 2018 – Mar 2019

- Built a revision 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).

kevchat – <https://github.com/kevcen/kevchat> Jan 2018 – Apr 2018

- Created a multi-user chatroom which connects over the internet, with an admin hierarchy and secret commands such as music playing, changing themes, kicking players (as admin) etc.
- Developed with the Prototype methodology with 5-8 friends as my users.
- Skills: Java.

AWARDS

Dean's List 2020 Aug 2020

- Top 10% academic results in the first year.

IC Hack 2020 – https://github.com/kevcen/escape_from_huxley Feb 2020

- Lead my group of 5 freshers to develop a Department of Computing themed escape game.
- Best-Entertainment Hack: 2nd place (out of 16 in the category).
- Largest student run hackathon in the UK.

UKMT Senior Maths Challenge Dec 2018

- Best-in-College, Best-in-Year, Gold Certificates.

TECHNICAL SKILLS

- **Programming languages (in order of ability):** Java, Python, C, Visual Basic, Haskell.
- **Tools and Technologies:** Git, JavaFX, JUnit, SQL, CSS, HTML, Gradle, Linux.

VOLUNTEER WORK

- Regularly assisted and tended to 5-10 elderly residents in Roseberry Court Care Home. Dec 2017 – Feb 2018
- Lead 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

INTERESTS

- Music producing, digital art and cooking good food.