KEVIN CEN

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EDUCATION

Imperial College London – London, UK   Sep 2019 – Present
BEng Computing
- First Year: 84.1% overall including 91% Java. (First Class - **Dean's List**)
- Second Year: 82.5% overall including 94% Software Engineering Design (First Class - **Dean's List**)

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

EXPERIENCE

Facebook – London, UK   Jul 2021 – Sep 2021
Software Engineering Intern
- Worked on WhatsApp Consumer iOS team to implement VoIP front-end features unique to iPad.
- Implemented voice calling Picture-in-Picture view with audio visualisation for iPad.
- Experience gained: Git, Objective-C, XCode

Computer ConQuest – Shangton, UK   Aug 2020 – Oct 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.
- Experience gained: Git, TypeScript, C#, SASS, AngularJS, HTML.

PROJECTS

Out of the Box – GitHub   May 2021 – Jul 2021
- Built a mobile gifting web-app, with interest-based suggestions, private wishlists and bill splitting.
- Human-centred design using rapid iteration (vertical slice development) with focus on stakeholder feedback.
- Skills: React Native, Typescript, Sequelize (PostgreSQL), Git.

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   May 2020 – Jun 2020
- Built an ARM11 assembler and emulator.
- Led a team to build an audio waveform using FFTW and SDL that is displayed on an LED matrix.
- 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 I, II   Aug 2021
- Top 10% academic results in 1st and 2nd year.

Best Entertainment Hack (2nd Place) – GitHub   Feb 2020
- Led a team 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 languages:** Proficient in Java, Python; familiar with C, Objective-C, SQL, TypeScript; previously used React Native, Visual Basic, Haskell, JavaScript, C#.
- **Tools and Technologies:** Experienced with Git, JavaFX, JUnit; familiar with Linux, XCode, CSS/SASS, LaTeX, HTML; exposed to Gradle, AngularJS, Docker, Heroku, ANTLR.