

Serene Chongtrakul

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EDUCATION

Imperial College London 2017 - 2021 (expected)

- MEng Mathematics and Computer Science.
- First year: upper second (2:1), 90% Graphs and Algorithms.
- Recipient of the World Scientific Scholarship.

St Mary's School, Ascot 2010 - 2017

- A*A*AA at A Level in Maths, Further Maths, Physics, History; Grade 2 in STEP I.
- 11 A*s at GCSE including Maths, English Lang; A in FSMQ (Additional Maths).
- Winner of the sixth form mathematics prize and year 11 mathematics prize.

EXPERIENCE

Wiser, Tech Academy (Campus Recruiter) London | Aug 2018 - present

- Work to promote Wiser's clients on campus and through social media posts. This requires having an extensive network and presence at university.

HANA Microelectronics, Software Development Intern Ayutthaya | Aug 2018

- Built an online survey web application so that custom surveys could be easily created and answered online. Helped to reduce paper wastage and reduce time spent by staff in transferring answers manually to spreadsheets.
- Taught from scratch to use JavaScript, Visual Basic, ASP.NET and SQL to create the web app that is now in use in the company.

PROJECTS

WACC

- Group project to create a compiler from WACC into Arm11.
- Responsible for writing a lexer, parser, semantic analyser and code generation.
- Built with Kotlin and using ANTLR.

Pintos

- Group project to extend an operating system framework to support advanced features.
- Built with C and x86 assembly language.
- Responsible for implementing priority scheduling and user program system calls.

TECHNICAL SKILLS

Familiar with: Java, HTML, CSS, Python, JetBrains IDEs, Git

Exposed to: Haskell, JavaScript, C, ASP.NET, Visual Basic, Kotlin, SQL, Visual Studio IDE

EXTRACURRICULAR

Department of Computing Society, Events Officer London | Aug 2018 - present

- Liaised and co-ordinated sponsorship for Imperial's Department of Computing Society, raising over £80,000 in sponsorship.
- Plan and organise social, academic and industrial events on behalf of sponsors.

PlanckTime, Maths and Computer Science author London | Dec 2017 - present

- Write articles summing up significant advances in maths or computer science.

Imperial College Union, Pimlico Connections volunteer tutor London | Nov 2017 - Mar 2018

- Taught maths to excellent year 5 and year 6 students at Christ Church primary school.
- Explained technical or difficult concepts so that those who are less experienced or not as familiar with the subject can understand it more easily.

ACCOMPLISHMENTS AND INTERESTS

- ABRSM: Grade 8 piano (2017), Grade 8 Singing (2016)
- Duke of Edinburgh: Bronze (2015), Silver (2016) and Gold (2017) award
- UKMT: Senior Maths Challenge Gold, qualified for Senior Kangaroo (2016)
- **Languages:** English, Thai (bilingual)
- **Societies:** computing, tennis, pole and aerial. Events officer for Computing Society 2018-19. Aerials officer for Pole and Aerial Society 2018-19.