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Educatio	N			
2018 - 2022	Imperial College LondonMEng Computing• Year 2: 85.4% overall (Dean's List), with first-class honours in all modules and 93% in lab projects• Year 1: 81% overall (Dean's List), with first-class honours in all modules and 85% in programming			
2011 - 2018	<ul> <li>Dunraven School</li> <li>A Level: A*A*A*A in Maths, Further Maths, Computer Science, and Physics</li> </ul>			
Work Ex	<b>VPERIENCE</b>			
2020	Netcraft       Perl, PHP, JavaScrip         • Assisted in improving and automating client-facing fraud detection services written in Perl         • Identified patterns in historic datasets to detect resurfacing phishing attacks         • Deployed automated detection of money laundering recruitment across social media sites			
2019	Fire Tech Camp       C#, Java, Python         • Worked as a Senior C#/Java/Python instructor, for groups of children aged 12, and up         • Received consistent positive feedback for my hands-on teaching style         • Provided me with experience on debugging code written by others			
2016 - 2019	<ul> <li>Tutoring</li> <li>Tutored children from Year 6 to Year 10, with a focus in mathematics</li> <li>Improved communication skills, and practised how to explain challenging topics in simple terms</li> </ul>			
2017	<ul><li>Zodiac Media</li><li>Assisted in updating a legac</li><li>Heavy use of version control</li></ul>		,	PHP
Projects	;			
2020	<ul> <li>EventKiwi TypeScrip</li> <li>Cross-platform application, built with the PERN stack and deployed on Heroku, for tracking event</li> <li>Iteratively designed with regular feedback from users and the Royal College of Art</li> <li>Integrated with Azure for user authentication and AWS S3 for static resource hosting</li> </ul>			
2020	Optimising CompilerScala, ARM• Full WACC compiler including parsing, semantic analysis, code generation, and optimisation in SSA• Implemented a continuous integration pipeline with Docker and Kubernetes to automate testing• Extended the language to support OOP, libraries, type inference, and metaprogramming			
2019	<ul> <li>ARM Project</li> <li>Implemented an assembler, a</li> <li>Designed custom PCB (with</li> <li>Also assisted in implementing</li> </ul>	$\mathbf{KiCAD}),$ as well as the	software interface fo	
2018	<ul> <li>Untitled Game</li> <li>Generated terrain with basic</li> <li>Enemies in the game gradua</li> <li>Web interface for scores, as</li> </ul>	ally improved with the use	nerated trees with a of a genetic algorith	nm
2016 - 2017	<ul> <li>Skype4Sharp</li> <li>Only public .NET library fo</li> <li>Used in a publicly available</li> <li>Designed an open-sourced S</li> </ul>	Skype bot, with a reach o	f over 5,000 users at	its peak
Skills &	INTERESTS			
Programming	Comfortable with Scala, C# (including Unity), PHP, Python, TypeScript, and Java. Also have various amounts of experience in other programming languages, including Kotlin, Haskell, Perl, C, and JavaScript. My public projects are available on GitHub. Also comfortable with markup languages such as LaTeX.			
Linux	Proficient in using the Linux command line - including managing headless servers and networks. Experience working with <b>LAMP</b> stack. Able to use standard programming utilities such as version control, <b>CI/CD</b> , and containerisation. Comfortable with automating (and scripting) repetitive tasks.			
Prototyping & Design	Explored different parts of prototyping, such as designing my own PCBs. Completed an additional course in prototyping at Imperial College London, which aided in developing my skills with electronics, as well as teaching me the basics of <b>CAD</b> .			
Volunteering	Organised and ran events held an Events Officer. Lead a team			

Eugene Lin