

Timon Liu

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Education

University of Western Australia	Feb 2020 – Dec 2022
<ul style="list-style-type: none">Bachelor of ScienceSoftware Engineering and Data Science	
Nanyang Polytechnic, Singapore	Apr 2014 – May 2017
<ul style="list-style-type: none">Diploma in Digital and Precision Engineering and Manufacturing	
Anderson Secondary School, Singapore	Jan 2009 – Dec 2013
<ul style="list-style-type: none">National Cadet CorpsAchieved rank of Sergeant, in charge of equipment supply and maintenance	

Projects

Dental Screening Application <i>React Native, JavaScript, Firebase</i>
<ul style="list-style-type: none">Mobile application built to engage with children living in rural areaDaily quiz designed with fun animation and mascot, improving engagementBuilding teamwork with 4 other members, and negotiating scope with clientLed initiative to help team members, ensuring no one is left behind
GPS guided RC/Robot <i>C, Fritzing, Arduino</i>
<ul style="list-style-type: none">Modified hobby grade RC with GPS, compass, Arduino Nano, and PCBMoves to designated longitude and latitude coordinates and returns homeSpeed control using ESC, and steering control using dedicated steering servoLeading and guiding team with no prior experience to coding
Internetworked Application <i>C, Python</i>
<ul style="list-style-type: none">Application designed to compile and link programs across different computersDeveloping a server and 2 clients, one in C and one in PythonClients sends commands, server executes commands, compile and run requested program, then reply to clients

Employment

Cherry & Grapes Restaurant	Nov 2020 – Present
<ul style="list-style-type: none">Waiter and assistant barista	
Sunflower Restaurant	Nov 2018 – Nov 2020
<ul style="list-style-type: none">Coordinated food preparation and service	
Singapore Airport Terminal Services (SATS)	Apr 2017 – Jul 2018
<ul style="list-style-type: none">Ramp Officer oversaw and led aircraft service operations across 21 airlinesFiled service report of flight operationsMonitored flight services, meeting airline standard operating procedures	

Skills

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- **Languages:** English and Chinese
 - **Computer Languages:** Python, Java, C/C++, SQL, HTML/CSS, JavaScript, R
 - **Software:** Solidworks, Siemens NX, Fusion 360, Power BI, Weka, Fritzing, Excel
 - **Frameworks/Libraries:** NumPy, Pandas, Matplotlib, Flask, Git, React Native, Arduino, MongoDB