

# Wei Tat Lee

International student looking for any IoT / Machine Learning internship or full time graduate roles in the UK.

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EDUCATION	<b>MSc Computer Science</b> , The University of Edinburgh Thesis: "An Investigation on the security aspects of blood pressure monitoring devices" Sep 2018 - present
	<b>BEng Electronics and Software Engineering</b> , The University of Edinburgh Undergrad thesis: "Demonstration of Visible Light Communication using LED(s)" Sep 2014 - May 2018
	<b>BEng Computer Engineering</b> , The University of Texas at Austin Visiting Exchange Student Aug 2016 - May 2017
SKILLS	<b>Proficient</b> Python, C, Java, Hadoop, SQL, PCB Designs <b>Prior Experience</b> C++, web development, Android development, Haskell, MATLAB, Javascript <b>Areas of Interest</b> Embedded Systems, Security, Internet Of Things <b>Languages</b> NATIVE: English, Mandarin PROFICIENT: Cantonese, Malay, Hokkien
EXPERIENCE	<b>Graduate Project</b> June 2019 - present <ul style="list-style-type: none"><li>Finding security vulnerabilities in the QardioArm Blood Pressure monitoring device</li><li>Using Wireshark to reverse engineer communication packets</li><li>Deploying a Man in the Middle (MITM) attacks</li></ul> <b>Undergraduate BEng Project</b> Aug 2017 - May 2018 <ul style="list-style-type: none"><li>Built the whole system to demonstrate Visible Light Communication (VLC) LED(s)</li><li>Used Texas Instrument(TI) launchpad (ARM Cortex M4) to interface with the components</li><li>Developed an RTOS embedded system for both the transmitter and the receiver in C programming language</li></ul> <b>Lead Assistant Coach</b> , Edinburgh Chinese Badminton Club - <i>Edinburgh, UK</i> Sep 2017 - present <ul style="list-style-type: none"><li>Led a team of assistant coach in assisting badminton coaching sessions.</li><li>Organized and managed local badminton tournaments</li><li>Getting qualified as UKCC Level 1 Scotland Coach</li></ul> <b>Team Member</b> , UT Austin Autonomous Racing Team - <i>Austin, TX</i> Sep 2016 - May 2017 <ul style="list-style-type: none"><li>Developed and programmed the drone's control system, which is a SISO nonlinear feedback control system</li><li>Programmed and tweak the RTOS to increase overall response time of the drone</li></ul>
PROJECTS	<b>Knowing Where to Reduce: Efficient Methods for Image Captioning</b> – <a href="#">GitHub</a> <ul style="list-style-type: none"><li>Image captioning using encoder/decoder architecture with PyTorch</li><li>Compared between Soft and Adaptive Attention mechanisms in LSTMs</li></ul> <b>Paxos</b> – <a href="#">GitHub</a> <ul style="list-style-type: none"><li>Built an simulated a distributed protocol to solve consensus in a network of unreliable nodes</li><li>Developed mainly using Java Socket (TCP/UDP) Libraries</li><li>This paxos protocol assumes no Byzantine Failures</li></ul> <b>The IoT</b> – <a href="#">GitHub</a> <ul style="list-style-type: none"><li>The IoT, an IoT system that regulates temperature and logs data into a cloud server</li><li>Capable of sensing gas leaks and sends alerts to user through mobile text messages by using Twillio Apis</li><li>The IoT also uses google app engine (GAE) cloud Apis to store temperature data –<a href="#">The IoT</a></li></ul>
AWARDS & RECOGNITION	<b>Best Assistant Coach for Badminton</b> 2017 Being awarded the most influenced Assistant Coach for Edinburgh Chinese Badminton Club <b>Yonex EBA Silver Doubles May 2017</b> 2017 2nd place in mens double badminton tournament in the club division <b>Racing Competition, UT Austin</b> 2016 Pegasus has been awarded the first prize in the UT Austin Racing Competition <b>International Exchange Program, University of Edinburgh</b> 2015 Being selected among 10 student to participate in the international exchange program to the University of Texas, At Austin