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## WORK EXPERIENCE

<b>Google Inc.</b>	<b>Tokyo, Japan</b>
<i>Software Engineer Internship   Maps Team (Android)</i>	May – Jul 2017
<ul style="list-style-type: none"><li>Designed and implemented an interactive screenshot code generator for Android Google Maps</li></ul>	
<b>Brown University</b>	<b>Providence, USA</b>
<i>Visiting Student Research Internship   Human-computer Interaction Lab</i>	Jan – Apr 2017
<ul style="list-style-type: none"><li>Performed statistical analysis on user interactions for the crowdsourcing system “Drafty” (Advisor: Jeff Huang)<ul style="list-style-type: none"><li>See HCOMP 2017 conference paper <a href="https://aaai.org/ocs/index.php/HCOMP/HCOMP17/paper/viewFile/15919/15276">https://aaai.org/ocs/index.php/HCOMP/HCOMP17/paper/viewFile/15919/15276</a></li></ul></li></ul>	
<b>Google Inc.</b>	<b>Tokyo, Japan</b>
<i>Software Engineer Internship   Chrome Team (Android)</i>	Sep – Dec 2016
<ul style="list-style-type: none"><li>Created support for multiple locales for languages in Android Chrome and WebView</li><li>Fixed Han Unification in Android Nougat</li><li>Made locales consistent across all Chrome supported Android Versions</li></ul>	
<b>Google Inc.</b>	<b>Tokyo, Japan</b>
<i>Summer Trainee Engineering Program Internship   Maps Team (Analytics)</i>	May – Sep 2015
<ul style="list-style-type: none"><li>Improved the bug assignment system in Google’s internal bug organizer</li></ul>	

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## ACADEMIC PROJECTS

<b>Continuous Word Recognition</b>	Mar – Apr 2018
<ul style="list-style-type: none"><li>Performed an HMM-based speech recognition task on the TIMIT speech dataset using the Kaldi toolkit</li><li>Wrote shell scripts to investigate the influences of acoustic features and dynamic features on word error rate</li></ul>	
<b>Image Captioning</b>	Jan – Apr 2018
<ul style="list-style-type: none"><li>Used the TensorFlow framework to perform an image captioning task on the MSCOCO dataset</li><li>Constructed an encoder-decoder framework with a CNN encoder and an RNN decoder with GRU and LSTM</li><li>Rewarded for third best project in Machine Learning Practical by IBM</li></ul>	
<b>Image Classification</b>	Sep – Nov 2017
<ul style="list-style-type: none"><li>Classified images of handwritten digits and letters from the MNIST and EMNIST datasets using deep neural networks</li><li>Implemented models with different activation functions, weight initialisation strategies, and learning rules</li></ul>	
<b>Speaker Independent Digit Recognition</b>	Sep – Nov 2017
<ul style="list-style-type: none"><li>Recorded voiced English digits and parameterised the collected waveform files as MFCCs</li><li>Constructed a speaker-dependent, and -independent speech recogniser using the Hidden Markov Model Toolkit (HTK)</li></ul>	
<b>Facial Expression Prediction - Kaggle Competition</b>	Feb – Apr 2016
<ul style="list-style-type: none"><li>Used the Toronto Faces dataset to classify faces based on several facial expressions</li></ul>	

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## COMPUTER SKILLS

**Tools:** Android Studio, Eclipse, TensorFlow, Kaldi, Git, Latex, Microsoft Office, NuSVM  
**Operating Systems:** UNIX (Mac OS X, Linux), Windows, Chrome OS, Android  
**Languages:** Proficient in Java and Python, previously used Shell Script, SQL, C++, Matlab, Go

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## EDUCATION

<b>The University of Edinburgh, School of Informatics</b>	Edinburgh, the United Kingdom
Master of Science with Distinction in Artificial Intelligence	Sep 2017 – Nov 2018
<b>University of Toronto, Faculty of Arts and Sciences</b>	Toronto, Canada
Honors Bachelor of Science with Distinction in Computer Science and Mathematics	Aug 2012 – Jun 2016
<b>Waseda University, School of Fundamental Science and Engineering</b>	Tokyo, Japan
One year Exchange Program (University of Toronto)	Aug 2014 – Jul 2015