

## Employment

Software Engineer	Telexpress	Sep 2018 – Present
<b>Voive Bot (Python)</b>		
<ul style="list-style-type: none"><li>Lead developer for developing a voice chatbot system on PBX telephony system.</li><li>Reduced 40% CER by implementing key words correction algorithm on customized ASR system.</li><li>Further improve the key words detection rate by 28.6% by building a customized ASR system.</li><li>Developed a gender recognition based in voice and implemented on the voice chatbot system with 98% accuracy.</li><li>Developed a voiceprint verification system.</li><li>Improved a YouTube videos crawler to construct Mandarin ASR training dataset.</li></ul>		
<b>Chatbot (Python)</b>		
<ul style="list-style-type: none"><li>Developed a data augmentation system which combine several algorithms.</li><li>Integrated SOTA NLP algorithm BERT to improve chatbot performance.</li><li>Reviewed industry-academy cooperation projects for the company.</li></ul>		
<b>E-Commerce Platform (.Net Core)</b>		
<ul style="list-style-type: none"><li>Developed backend APIs for the platform.</li><li>Integrated open source BI tool into the Platform.</li><li>Implemented business partner's decrypt algorithms in open source BI tool.</li></ul>		
<b>Customer Service Online Chat (.Net Framework)</b>		
<ul style="list-style-type: none"><li>Implemented a new chatting channel on WeChat.</li><li>Implemented business partner's decrypt algorithms in the system (Java).</li></ul>		
<b>DevOps</b>		
<ul style="list-style-type: none"><li>Compile docker-compose yamls.</li><li>Compile Kubernetes yamls using Helm.</li></ul>		

## Education

Yunlin, Taiwan R.O.C.	National Yunlin University of Sciences and Technology	Sep 2016 – Aug 2018
<ul style="list-style-type: none"><li>M.S.E. in Computer Science and Information Engineering, Fall 2018. GPA: 4.0</li><li>Thesis: "Semi-supervised Learning Using Generative Adversarial Networks"</li></ul>		
Taoyuan, Taiwan R.O.C.	Chang Gung College	Sep 2011 – June 2015
<ul style="list-style-type: none"><li>B.S.E. in Computer and Information Science, May 2015.</li></ul>		

## Technical Experience

<b>Projects</b>
<ul style="list-style-type: none"><li><b>ShortUrl</b> A highly scalable url shortener service to reduce a long link. Using flask, MongoDB, Redis, and host on Digital Ocean.</li><li><b>Crypto Trading Gym</b> OpenAi custom environment in order to train agents profiting from crypto markets. Python</li><li><b>Insult Puppy</b> A frontend practice project which the insult content come from Evil Insult Generator API and the Puppies images come from RandomDog API. Developed using Vue. Host on Netlify.</li><li><b>Game of Life</b> In memory of Dr. John Horton Conway. Developed using Python, SciPy, and OpenCV.</li><li><b>Access Control System with Face Recognition and RFID</b> An access control system which check both user RFID number and facial features to gain authorization. This system is currently being used in YunTech Research Center.</li></ul>

## Languages and Technologies

<ul style="list-style-type: none"><li>Programming Languages: Python (fluent), SQL (proficient), JavaScript (proficient), Shell Script (proficient), C/C++ (prior experience), Java (prior experience), C# .NET Core/Framework (proficient).</li><li>Technologies: Git, Docker, Flask, MongoDB, Redis, MySQL, Microsoft SQL Server, Vue, Tensorflow, PyTorch, Kaldi, OpenCV.</li><li>Cloud Platforms: Google Cloud Platform, Azure, Digital Ocean, Netlify.</li></ul>
--