Yinze(Steve) Fan

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EDUCATION

University of Toronto Toronto, ON
Master of Engineering in Computer Engineering; CGPA: 4.00 *Sept. 2016 – Jun. 2018*

University of Toronto Toronto, ON
Bachelor of Applied Science in Electrical Engineering; CGPA: 3.01 *Sept. 2011 – Jun. 2016*

PROGRAMMING SKILLS

- **Web**: Html, CSS, JavaScript, jQuery, Bootstrap
- **Languages**: Python, Swift, Git
- **Databases**: MySQL, PostgreSQL
- **Technologies**: AWS, React, Flask, Tensorflow

PROJECTS

Serverless Online Event Organizer Toronto, ON
Team Member, University of Toronto *Nov 2017 - Dec 2017*

- Developed a website in a group of 2 people, which provides event management services for restaurants in Toronto, deployed using **AWS Lambda** and **API Gateway.**
- Built the **Flask** based backend, integrated with **DynamoDB** and **S3** cloud storage for user authentication and event information.
- Implemented frontend using the **Knockout JS** framework, that displays the locations of restaurants picked by the user with **Google Maps API.**
- Users can search restaurants they added and, when selected, additional information about that restaurant is presented from the Google Street View image APIs.

Elastic Photo Storage Web Application Toronto, ON
Team Member, University of Toronto *Sept 2017 - Nov 2017*

- Built an elastic photo storage web application that can resize its worker pool based on demand. The application contains two web-based interfaces: UserUI and ManagerUI.
- UserUI includes a web application provides photo storage and browsing services, deployed using Gunicorn on Amazon **EC2**.
- ManagerUI was constructed to perform functionality for listing EC2 instances in the worker pool and their CPU utilization. **Elastic Load Balancing** is used to distribute incoming application traffic across multiple workers(EC2 instances), as well as adding or removing workers from the worker pool.

Item Catalog Toronto, ON
Udacity Full Stack Web Developer Nanodegree *May 2017 - Aug 2017*

- Created a content management system using the Flask framework in Python. Authentication is provided via **OAuth** and all data is stored in a **PostgreSQL** database.
- Installed and configured all required software to turn a baseline Ubuntu Amazon Web Services server into a fully functional web application server and prepared it to host Item Catalog App, including **Apache Web Server** and PostgreSQL database server.

EXTRACURRICULARS

Chinese Undergraduates Association at U of T Toronto, ON
Public Relationship Vice Director, University of Toronto *Sept 2016 - Apr 2017*

University of Toronto Table Tennis Club Toronto, ON
Executive member, University of Toronto *Nov 2013 - Apr 2015*