Fei-Yang (Arthur) Jen

4A Computer Science		fjen@uwaterloo.ca
20401340	www.arthur-jen.com	(226) 972-0522

SUMMARY OF QUALIFICATIONS

- **Python (Flask, SQLAlchemy, Google Data API, Mock), Ruby on Rails (Redmine)**
- **Also experienced with:** C++, C, Bash, Docker, HTML, CSS, Bootstrap, JavaScript, Perl
- **Database:** Redis, SQLite, PostgreSQL, MySQL
- **Server:** Apache, Nginx, DNS, HAproxy, Jenkins CI Server, Azkaban Server
- **Cloud:** AWS (EC2, S3, Route 53, EMR), GCE, RackSpace, CloudStack, OpenStack
- **Tools:** Git, Sublime Text 2, Vim, Linux (Ubuntu), Windows, Macintosh

WORK EXPERIENCE

- **Software Engineering Intern** at Yelp Inc., San Francisco, CA, USA, 01/2015 – Present
  - Created metric with Elasticsearch and Kibana to provide insight on business data.

- **Cloud Engineering Intern** at Inkling, San Francisco, CA, USA, 05/2014 – 08/2014
  - Implemented several features in the backend services of Inkling Habitat using Python and Ruby
  - Refactored the workflow for publishing books to the Inkling Store
  - Fixed bugs and optimized slow HTTP requests in the code base

- **Web Ops Engineering Intern** at Inkling, San Francisco, CA, USA, 09/2013 – 12/2013
  - Developed and fixed internal workflows and tools to facilitate company new hire process using Python and JavaScript
  - Participated in daily production deployments and maintenance of Cloud environments
  - Implemented a job scheduler with open-source Azkaban Server and AWS EMR

- **Cloud Computing Software Developer** at OICR, Toronto, ON, Canada, 01/2013 – 04/2013
  - Improved software Installation time by 80% using Bash
  - Built applications to deploy scalable SGE Cluster with NFS on GCE using Perl
  - Created generic application to launch scalable environments on AWS

- **Cloud Operation Analyst** at Awareness Inc., Burlington, ON, Canada, 05/2012 – 08/12
  - Implemented a private Cloud with CloudStack and LDAP to provide IaaS locally
  - Deployed scalable Cloud environment with Alarm Clock, SQS, S3 and Load-Balance on AWS
  - Performed benchmarking of database and disk I/O on Amazon and RackSpace

- **Project Engineering Assistant** at NCHC, Hsinchu Science Park, Taiwan, 09/2011 – 12/2011
  - Configured DNS with geo-location feature to distribute client connections
  - Implemented load-balancer using HAproxy, Dstat and third-party libraries
  - Co-Developed nation-wide Cloud storage service

PROJECTS

- **Personal Website**
    - Implemented RESTful API to serve internal requests.
    - Hosted on AWS and built with Python, Flask framework, SQLAlchemy, Jinja2 Template, Redis, SQLite, Bootstrap, HTML, CSS, Nginx and uWSGI

- **YouTube Playlist Curler**
    - An application that will curl a YouTube playlist and download individual songs by posting requests to youtube-mp3.org
    - Built with Python and Google YouTube Data API (V3)

- **Eat Candies**
    - An interactive game to collect candies and dodge obstacles dropping from the sky
    - Built with Python and Pygame engine

EDUCATION

- Candidate for Honours Bachelor of Computer Science (Co-op)
  University of Waterloo, ON, Canada, September 2010 - present