

“I am looking for projects that are cutting-edge, revolutionary and unique; something I can be proud of.”

COMPUTER PROFICIENCY

Languages Scheme, Python, C++, C, Java
Web Technologies Django, HTML/DOM, JSON, PHP, JavaScript, Node.js, EC2, Redis, MySQL, PostgreSQL, MongoDB, SQLAlchemy, CSS, AJAX, jQuery

WORK EXPERIENCE

Present
Nov, 2017

Software Engineer (Uber), *San Francisco*, California, America.

- Built internal documentation uploading tool.
- Reimplemented and improved engineering setup for better onboarding experience.

Oct, 2017
Jun, 2015

Senior Software Engineer (AppDynamics (Acquired by Cisco)), *San Francisco*, California, America.

- Lead developer on AppDynamics Download Server 2.0.
- Designed and enhanced the download server deployment cycle with Ansible.

Jun, 2015
May, 2014

CTO (KuKy World Inc), *New Haven*, Connecticut, America.

- Led a team of four, built the entire shopping website.

Jan, 2014
Nov, 2013

Python Data Engineer (Dextro.co), *New Haven*, Connecticut, America.

- Built and enhanced an automatic data integration system over big data.
- Designed and implemented an image annotation system for collecting and training object detection data on Amazon Mechanical Turk.

Jun, 2013
Jan, 2013

Server Engineer (Jinguapps.com), *Kitchener*, Ontario, Canada.

- The only server engineer that tracked, recorded, implemented backends for high-volume, transactional applications using PHP and Redis.
- Implemented backend data tracking and analysis system.
- Built backend intelligence for people recommendation system.

Sep, 2012
Apr, 2012

Software Engineer (Mappedin.com), *Kitchener*, Ontario, Canada.

- Enhanced Mappedin Platform under Node.js framework and MongoDB.
- Created Mappedin map editor.
- Designed and implemented Mappedin Analytics page to track the usage of Mappedin kiosk using Google Chart.
- Initiated the new version of Mappedin kiosk.
- Improved on multiple performance and usability issues on both Mappedin admin tools and the kiosk.

Dec, 2011
Aug, 2011

Software Engineer (Minted.com), *San Francisco*, California, America.

- Worked with a team of world-class software engineers.
- Implemented my own live chat project with Google Optimizer Multivariable Testing under tight deadline which increased Minted revenue by a significant amount.
- Enhanced Minted Web-to-Proof system which processes an Adobe InDesign or Illustrator object to an image using Python.
- Implemented several components of friend referral project and the entire reporting using Python and SQLAlchemy.
- Improved SEO with features and bug fixes.

<div> <div>Apr, 2011</div> <div>Jan, 2011</div> </div>	Software Engineer (IMVU, Inc.), <i>Kitchener, Ontario, Canada.</i> <ul style="list-style-type: none"> Developed both website and client using JavaScript, PHP and Python. Implemented new user experience for the sales promotion using jQuery. Integrated IMVU users with Socialvibe promotion ads. Wrote jQuery Qunit tests for internal JS library.
<div> <div>Aug, 2010</div> <div>May, 2010</div> </div>	Software Engineer (Xtreme Labs, Inc.), <i>Toronto, Ontario, Canada.</i> <ul style="list-style-type: none"> Participated in 3 Blackberry Apps: Microsoft MSN, Canpages and Intuit.
<div> <div>Apr, 2010</div> <div>Jan, 2010</div> </div>	PHP Web Developer (QuinStreet, Inc.), <i>Foster City, California, America.</i> <ul style="list-style-type: none"> Built web app using PHP CodeIgniter MVC framework. Optimized and maintained QuinStreet client sites by converting sites to PHP CodeIgniter framework.
<div> <div>Aug, 2009</div> <div>May, 2009</div> </div>	Software Engineer (You're Next!, Inc.), <i>Waterloo, Ontario, Canada.</i> <ul style="list-style-type: none"> Designed and built a new website for the company. Implemented and optimized complicated DB queries for large data. Created a SMS send system, which sends SMS to people when they register, and reminds them when they are the first three patients in the waiting queue. Created a tool that takes AT Commands from client side and send them to Serial Ports using PHP.

PROJECTS

Chen's Resume LaTeX Template - XNemo.

- Create this template for people to use. <https://github.com/cx44yale/XNemo>
 - Customized LaTeX template blocks under Jinja environment.
 - Made the resume generation customizable in a simple JSON file.

Chen's Yale Zoo Machine Login History.

- My login history. <http://chen-yale-zoo.appspot.com>
 - Written on Google App Engine using Python.
 - Implemented graph creation using Raphael.
 - Solved shortest path using Dijkstra's Algorithm.

Chen's movement tracking.

- My movement. <http://cx44move.appspot.com>
 - Implemented location display using Google Maps API.
 - Polished storyline.

Web Shortest Path Solving Tool.

- Shortest Path Solver. <http://shortestpathsolver.appspot.com>
 - Written on Google App Engine using Python.
 - Implemented graph creation using Raphael.
 - Solved shortest path using Dijkstra's Algorithm.

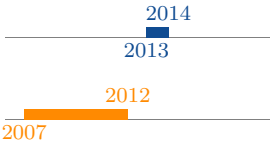
4 Safari Web Games (Currently only available on Safari).

- Sudoku Planet. <http://sudoku-planet.appspot.com>
- Drawing Board. <http://drawing-board.appspot.com>
- Renju Room. <http://renju-room.appspot.com>
- Memory Cards. <http://memory-cards.appspot.com>
 - Written on Google App Engine using Python.
 - Implemented game saving feature using HTML5 JavaScript Database.
 - Applied visual effects using WebKit DOM programming.

2 iPhone / iPad Apps (Back End).

- The Beer Store & Daily Travel.
 - Built data storage using Google GQL API.
 - Implemented all the back end API for the client side of the beer store.
 - Implemented twitter user info and comment display for Daily Travel.

EDUCATION



Yale University, *New Haven*, Connecticut, America.
Master of Computer Science

University of Waterloo, *Waterloo*, Ontario, Canada.
Honors Bachelor of Computer Science (Co-op)

INTERESTS

Sports, Movies, Music, Rain.

REFERENCES

References available upon request.