

"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
May, 2014

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

- Everything

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.

Apr, 2011
Jan, 2011

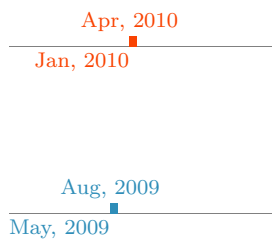
Software Engineer (IMVU, Inc.), *Kitchener, Ontario, Canada.*

- 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.

Aug, 2010
May, 2010

Software Engineer (Xtreme Labs, Inc.), *Toronto, Ontario, Canada.*

- Participated in 3 Blackberry Apps: Microsoft MSN, Canpages and Intuit.



PHP Web Developer (QuinStreet, Inc.), *Foster City, California, America.*

- Built web app using PHP CodeIgniter MVC framework.
- Optimized and maintained QuinStreet client sites by converting sites to PHP CodeIgniter framework.

Software Engineer (You're Next!, Inc.), *Waterloo, Ontario, Canada.*

- 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.

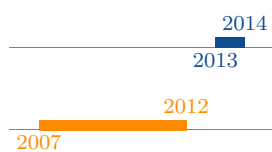
4 Safari Web Games (Currently only available on Safari).

- 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.