Chen Xu

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*"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, PostgresSQL, 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 Machnical Turk.

Jun, 2013 — Jan, 2013

Server Engineer (Jinguapps.com), *Kitchener*, Ontaria, 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*, Ontaria, 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*, Ontaria, 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*, Ontaria, 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.

Aug, 2009

May, 2009

- 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.

Sep, 2014

- 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.

Aug, 2013

- 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.

Jul, 2013

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

Web Shortest Path Solving Tool.

Oct, 2012

- 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).

Sep, 2011

Jul, 2011

- 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).

Mar, 2010

- 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

2014

2013

Yale University, *New Haven*, Connecticut, America.

Master of Computer Science

2012

2007

University of Waterloo, *Waterloo*, Ontario, Canada.

Honors Bachelor of Computer Science (Co-op)

INTERESTS

Sports, Movies, Music, Rain.

REFERENCES

References available upon request.