yiwen song

[Personal Site](#) | [Email](#)

Education

University of California, Berkeley - June 2016
Computer Science, B.A.
Major GPA: 3.739

Work Experience

Release Engineering at Yelp (Nov 2017 - Present)
San Francisco, CA
- Worked on Jenkins continuous deployment and integration of Yelp services.
- Designed and implemented API for determining responsibility and ownership of code, databases, and other resources.
- Improved Git management tools and code review infrastructure to be more resilient to catastrophic failures.

Trading and Data at Old Mission Capital (Aug 2016 - May 2017)
Chicago, IL
- Improved data pipeline and research infrastructure reliability and usability.
- Added parallelism to data ingestion and created automated sanity checking to reduce overhead of analysis.
- Developed a Python package for quickly scripting models and risk calculation on live market data.

Trading Intern at Old Mission Capital (Jun 2015 - Aug 2015)
Chicago, IL
- Studied the effect of US high frequency trading on international markets.
- Used Python (Scikit-Learn, Matplotlib) to analyze data and visualize stastical models.
- Wrote research reports to communicate studies to traders whose products were impacted by the studies.

Projects

[GPU Compression](#)
- Parallelized implementation of LZSS compression for the GPU.
- The goal of the project was to test feasibility of using message compression in HPC applications.
- Result: your network needs to be *really* bad for this to be worth anything.
- Implemented in CUDA and deployed on AWS.

[ImgCompress](#)
- ImgCompress is a hackathon project aimed at becoming the future of compression.
- Uploads binaries to Imgur as PNGs and stores the 7 character Imgur URL.
- Compression ratio is over 700 000 and implementation is less than 200 lines of python.
- Better than the CUDA stuff I made.

[Poker AI](#)
- Heads Up Pot-Limit Omaha (HUPLO) AI that uses Monte Carlo search trees and bad machine learning.
- Preflop play uses machine learning on hole cards features like connectedness, suitedness and value.
- Postflop play uses Monte Carlo Search Trees.
- 💩 at poker.
- Passable at Tic-Tac-Toe.

[Yet Another Personal Site | DefDontHire.Me](#)
- Technology has advanced to a point where you can create a beautiful website without knowing any web.
- Literally anyone can download a Bootstrap template and write some BS and call it a personal site.
- [Exhibit A](#)

[yiwen.date](#)
- Another personal site, but maybe a little more personal.
- Frontend written in react, backend written with Flask.
- [Please do not attempt to date potential future employees.](#)

Interests, Skills and Intangibles

Hobbies: Board Games, Poker, Basketball, Reading the Manual
Language: Python, Javascript, Psuedocode, fish, Mandarin
Skills: INDEX-MATCH Fiend, Vim Connoiseur, Nash Equilibrium Hobbyist, "sudo rm -rf /" Frequent User
Intangibles: Enjoys friendly competition, clicks buttons really fast