Jiawei (Kavin) Yao

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OBJECTIVE

To obtain a **software engineer internship** (2014 Summer).
To deliver innovative software that is high-quality, reusable and valuable to the user.

EDUCATION

Stanford University, Stanford, CA — 2013/09 - 2015/06 (expected)
M.S. in Computer Science, AI track, GPA: 3.8/4.0
Courses: CS140, CS147, CS221, CS229, etc.

Nanjing University, Nanjing, China — 2009/09 - 2013/06
B.E. in Software Engineering, GPA: 4.5/5.0, Ranking: 1/240

EMPLOYMENT

Qiduo Information Technology Co., Ltd. Nanjing, China — 2012/07 - 2013/03
Software Engineer Intern
- Learned how to move fast and work under pressure at startup
- Developed a full-feature SNS website (~10kloc PHP, ~5kloc JS, ~3kloc LESS/CSS)
- Kept page generation under 200ms with various optimizations

State Key Laboratory for Novel Software Technology, Nanjing, China — 2011/05 - 2012/08
Undergraduate Research Assistant
- Focused on research topics of collaborative filtering and recommender system
- Published a paper on product recommendation based on search keywords

COURSE PROJECTS

Pure, *webpage main content extractor with machine learning* — 2013/10 - 2013/12
- Incorporate HTML semantic with Naïve Bayes
- Achieved competitive performance compared to state-of-the-art methods

AMR, *automated airplane model recognition* — 2013/09 - 2013/12
- Proposed an effective feature set based on distribution of simple visual traits
- Achieved satisfactory accuracy compared to state-of-the-art methods

SKBPR, *keyword-based recommender system* — 2013/04 - 2013/06
- Solved user "cold start" with search keywords
- Designed high-performant framework of data processing and model generation

SIDE PROJECTS

Starry Night, *dynamic starry night emulation with canvas animation* — 2014/01
- Demo: http://kavinyao.github.io/HTML5-Demos/
- Support full screen for enjoyment (press f)
- Dynamic layout responsive to viewport change

highlight.js, *highlight any text on web page like in Preview* — 2013/11
- Handles various selection modes (forward, backward, cross-node)
- Supports marking with different colors
- Works as a library or Vimperator plugin

Sweep, *minimalistic template written in PHP* — 2013/01
- Generates PHP code from templates in Django-like syntax
- Supports variables, filters, control blocks

Check out my GitHub: https://github.com/kavinyao

SKILL SET

Languages: Python, JavaScript, C/C++, Java, PHP, Matlab (order by familiarity)
Back End: Apache, Nginx; MySQL; WordPress, Django, expess.js
Front End: CoffeeScript; jQuery; Bootstrap, LESS, Sass/Compass; Jinja2, Jade
Tools: Vim, Git, Eclipse, fish, tmux, Firefox, LaTeX