Ye (Scott) Cheng

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ABOUT

Full-stack developer and entrepreneur. Front-end enthusiast. Self-learned designer.

EDUCATION

Stanford University, Stanford, CA   2013–2015 (expected)
M.S. in Computer Science, Specialized in HCI
Selected Courses: Human-Computer Interaction Design, Research Topics in Human-Computer Interaction, Machine Learning, Mining Massive Data Sets, Databases, Computer Security

Peking University, Beijing, China   2009–2013
B.S. in Computer Science with Honors and Scholarships
Selected Courses: Data Visualization, Computer Networks, Compilers, Operating Systems

EMPLOYMENT

Twitter   2014
Software Engineer Intern (Backbone.js, Ruby on Rails)
Prototyped new experience of creating mobile app promotion campaigns on Twitter Ads. Worked with designer to conduct user testing and iterate on UX design and prototype.
Built image crop & zoom feature in Twitter Ads campaign management interface. Open-sourced underlying library at *scottcheng.github.io/cropit*.

Jiepang (China's Foursquare)   2011
Product Manager & Software Engineer Intern
Product design, UX design, and full-stack dev in Jiepang Profile project.

PROJECTS

Sparkl (web application | AngularJS, Node.js, WebSocket, MongoDB)   2014
sparkl.us
Online real-time collaboration platform. Tech co-founder. Full-stack dev and UI&UX design.

Synapp (web application | AngularJS, Ruby on Rails)   2013-2014
synapp.stanford.edu
Research project. Building a platform to facilitate discussion and decision-making on complex problems in a large crowd. Full-stack dev and UI&UX design.

Co.found (mobile web application | AngularJS, Node.js, MongoDB)   2014
co-found.herokuapp.com
Cofounder networking platform for Stanford community. UI&UX design and front-end dev.

Visualizing Evolution of Topics in Community (visualization | D3.js, Node.js)   2013
B.S. thesis project. Researched, designed and implemented a novel visualization method for community discussion evolution. Employed machine learning to optimize visualization results.

Visualization of Beijing Air Pollution (visualization | D3.js)   2012
scottcheng.github.com/bj-air-vis
Interactive visualization illustrating Beijing air pollution in terms of time and space.

Trive (web application | JavaScript/jQuery)   2011–2012
Cloud storage web application. UI&UX design and front-end dev. Designed and implemented a customized Backbone-flavor JavaScript MVC architecture.

Wikipedia-Based Question Answering System (Java, Lucene)   2011
Applied text mining and NLP techniques to Chinese Wikipedia corpus and created a QA system.

SKILLS

Proficient: JavaScript/CoffeeScript, Python, C++, Java, HTML5, CSS3, Git.
Basic: Ruby, Matlab, PHP, SQL, SVN.

INTERESTS

Enjoy sports and music. Play soccer, tennis, squash, etc. Play the piano and the Electone.