Tongzhou Wang

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Education

University of California, Berkeley | Berkeley, CA | Expected Graduation Date: May 2017

· Double major in Computer Science and Statistics.

· Technical GPA: 3.98. 12 among 18 technical courses are A+.

Relevant Coursework

· Machine Structure, Operating System, Compiler.

· Data Structure, Algorithms, Artificial Intelligence, Machine Learning (Graduate Level), Cryptography.

· Probability Theory, Statistical Analysis, Stochastic Process, Time Series, Game Theory.

Skills

General computer skills: Mac OS X, Windows, Linux, vim.

Languages: C, C#, C++, F#, Swift , Java, Python, Ruby, PHP, JavaScript, HTML, CSS, MatLab, R.

Development tools and skills: Git, Mercurial, iOS, Android, Xamarin.Forms, Ember.js, RubyOnRails.

Experience

Software Engineer Intern | Facebook Inc. Seattle Office, WA | 06/01/2015 – 08/21/2015

· Worked in Ads Product Platform team on Facebook's unified logging framework, which aims to impose a unified schema on various logging tables.

· Built related logging tables and an internal tool that provides holistic view of ads HTTP requests, from frontend UI events and HTTP API calls to backend mutation events.

· Utilized the unified logging framework to analyze ads bug reports and assign tasks to engineers that are possibly responsible for the exceptions.

· Rating: exceeding.

Undergraduate Researcher | UC Berkeley, CA | 02/02/2015 – PRESENT

· Adaptive MCMC inference in first-order logic inference.

Software Intern | Sellegit Inc., Berkeley, CA | 06/15/2014 – 12/23/2014

· Improved performance of a local sales website built with Ember.js and RubyOnRails.
Lowered the amount of HTTP requests by implementing a buffered active model adaptor mixin.
Reduced server's computation load by migrating image database to Cloudinary.

· Developed the Android app Peach, which hosts fashion auctions, in C# and F# with Xamarin.Forms.
Built entrance pages, auction view, and overall animations in F#. Translated codebase from C# to F#.

Projects

Grue | Berkeley, CA | 03/15/2015 – PRESENT

· iOS app that helps students explore, manage, and sign-up for upcoming student events, and provides event organizers statistics and easy management of the attendants.
Worked on backend with Parse, frontend backend integration, and frontend iOS views.

PokéFace | BigHack, Stanford University, CA | 04/06/2014

· Web app that analyzes which Pokémon one's Facebook profile image resembles most.
Worked on image RGB histogram comparison algorithm in JavaScript.