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.

· Overall GPA: 3.88. Technical GPA: 3.98 (16 of 26 technical courses A+).

Relevant Coursework

· Machine Structure, Operating System, Compiler, Database Systems.

· Data Structure, Algorithms, Computability Theory, Artificial Intelligence, Computer Graphics.

· Probability Theory, Statistical Analysis, Stochastic Process, Game Theory, Number Theory.

Graduate Level:

· Machine Learning, Cryptography, Information Theory and Coding.

Skills

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

Tools: Version Control, Android, iOS, Ember.js, RubyOnRails, SQL, HBase, MapReduce, Spark, Theano.

Experience

Software Engineer Intern | Airbnb Inc., CA| 05/23/2016 – PRESENT

· Working in Data Infrastructure team on integrating Apache Phoenix in schema enforcement and fast SQL style queries in HBase. Building tools to use HBase as a general relational data storage.

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

· Built ads logging tables with unified schema. Developed an internal tool to provide a holistic view of ads HTTP requests, including frontend UI events, API calls, and backend mutation events.

· Utilized the logging framework to analyze ads bug reports and assign tasks to engineers that are likely responsible for the issues.

· Rating: exceeding.

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

· Adaptive MCMC inference algorithm over graphical models with Professor Stuart Russell.

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

· Developed a buffered active model adapter for Ember.js and RubyOnRails sites to reduce server load.

· Implemented animations and transition logics of an Android app in C# and F# with Xamarin.Forms.

Projects

Grue | Berkeley, CA | 03/15/2015 – 8/20/2015

· iOS app that helps college students explore, manage, and sign-up for upcoming events around campus, 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.