

# 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 Phoenix as a general relational data storage at Airbnb.

**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.