

# Jason Tsay

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## education

**Ph.D. in Software Engineering** 2010 to current  
Carnegie Mellon University  
GPA: 3.64 / 4.33  
Applicable Coursework:  
Machine Learning  
Advanced User Interface Software  
Social Web  
Socio-Technical Ecosystems  
Statistical Theory for Social and Policy Research  
Applied Research Methods: Quantitative and Qualitative  
Teaching Experience:  
TA for Web Applications Development  
TA for Social and Policy Issues in Computing

**B.S. in Computer Engineering** 2005 to 2009  
University of Texas at Austin  
GPA: 3.72 / 4.00

## research interests

- Social media and developer collaboration
- Quantitative and qualitative studies of how developers use information to perform tasks
- Determining signals developers use regarding projects and other developers
- Developing tools that visualize signals developers use in tasks

## publications

### Let's Talk About It: Evaluating Contributions through Discussion in GitHub

Tsay, J., Dabbish, L., and Herbsleb, J.  
*22nd ACM SIGSOFT International Symposium on Foundations of Software Engineering (FSE 2014)*

### Influence of Social and Technical Factors for Evaluating Contribution in GitHub

Tsay, J., Dabbish, L., and Herbsleb, J.  
*36th International Conference on Software Engineering (ICSE 2014)*

### Social Media in Transparent Work Environments

Tsay, J., Dabbish, L., and Herbsleb, J.  
*6th International Workshop on Cooperative and Human Aspects of Software Engineering (ICSE 2013)*

### Leveraging Transparency

Dabbish, L., Stuart, C., Tsay, J., and Herbsleb, J.  
*IEEE Software Vol. 30 Jan-Feb 2013*

### Work Concentration and Success in Decentralized Teams

Tsay, J., Dabbish, L., and Herbsleb, J.  
*Future of Collaborative Software Development Workshop 2012 (CSCW 2012)*

## programming

Java  
Ruby  
Python  
C  
C++  
L<sup>A</sup>T<sub>E</sub>X  
JavaScript

## databases

SQLite  
MySQL  
PostgreSQL

## software

Android SDK  
R  
Eclipse  
git  
django

## honors

Facebook Fellowship Finalist  
(2015-2016)  
ARCS Fellowship  
(2010-2013)

## languages

English  
Mandarin Chinese  
Japanese

**Social coding in GitHub: transparency and collaboration in an open software repository.**

Dabbish, L., Stuart, C., Tsay, J., and Herbsleb, J.  
*ACM 2012 Conference on Computer Supported Cooperative Work (CSCW 2012)*

**Experiences Mining Open Source Release Histories**

Tsay, J., Wright, H., and Perry, D.E.  
*International Conference on Software and Systems Process (ICSSP 2011)*

**work experience**

**Microsoft Research: Cambridge** summer 2015

Research Intern

Project to create "self-mining" system for personal email data  
Designed and developed self-mining tool in Python  
Conducted qualitative user studies to evaluate self-mining tool  
Work resulted in conference paper submission to CHI

**GitHub** winter 2011 - spring 2012

Software Development Contractor

Project to provide releases of public data from GitHub service  
Developed GitHub API data backup Java application using Heroku  
Extended egit-github library

**Google** summer 2011

Software Engineering Intern

Developed open source Java code review system Gerrit  
Analyzed code review data from Android OS team using MapReduce

**UT Empirical Software Engineering Lab** winter 2009 - summer 2010

Undergraduate Research Assistant

Mined open source projects and project repositories for release data  
Maintained and updated database for software release data