

# Jeffrey Wu

jeffwu@alum.mit.edu

wuthejeff.com

**Summary:** Full-stack developer with research experience. Interested in keeping the world more secure as technologies such as machine learning become more powerful.

---

## Education

### Massachusetts Institute of Technology

**B.S.** in Mathematics, **B.S.** in Computer Science

May 2012

**M.Eng.** in Computer Science

January 2013

**Cumulative GPA:** 4.8/5 (Technical: 5.0/5)

---

## Experience

- **Google Research** Software engineer Oct 2016 – Present  
Working on personalization/recommendations from cross-domain data. Building pipelines, Tensorflow ops and libraries, and other general infrastructure supporting many different models/applications. Ran experiments to study properties of generalization error.
- **Terminal.com** Founding engineer Jan 2013 – Oct 2016  
Building cloud-based container infrastructure, primarily for online education. Engineered many core systems, including the main API, front-end, build and deployment, pricing, security, etc. Saw company grow from 2 to a dozen, and managed a small team of engineers. Interfaced with clients, such as Crunchbase, Stanford University, Codecademy, and Udacity.
- **Probabilistic Computing Project** Master's student Nov 2011 – Jan 2013  
Implementation of a Lisp-like probabilistic programming language. Exploring a new “adaptive” Gibbs sampling algorithm to make inference more efficient in very general settings. Work presented [at NIPS 2012]. [Source code] and [paper].

## Selected Side Projects

- **Vimflowy** Productivity tool inspired by vim and workflowy. [Source] and [Demo].
  - **Hanabi simulation** Game engine in Rust for simulating hanabi strategies. [Source].
  - **EigenSeeClearlyNow** A linear-algebra visualization puzzle. [Source] and [Demo].
  - **JSwidler challenge** Wrote solver for SAT variant, for challenge coworker wrote (link).
- 

## Skills

- Proficient: Javascript/Typescript, C++, Python. Familiar: Rust, bash, Go, Java, HTML/CSS.
  - Experienced with AWS, databases, containers, and linux.
  - Experienced in systems design and analysis, including distributed systems.
-

## Awards and Honors

William Lowell Putnam Mathematical Competition Top 200  
USA Mathematics Olympiad qualifier

2010  
2006, 2007, 2008