Jeffrey Wu

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wuthejeff.com

Summary: Full-stack developer with research experience. Interested especially in applying machine learning to security problems.

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 generic infrastructure and pipelines. Writing/training Tensorflow models.
- **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 2010
USA Mathematics Olympiad qualifier 2006, 2007, 2008