

Jeffrey Wu

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858-405-1376

Summary: Full-stack developer. Interested especially in applying algorithms and math.

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

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].

Google Software Engineering Intern

Jun 2012 – Aug 2012

Improved landing page quality for Dynamic Search Ads. Wrote MapReduces in C++ for identifying and finding replacements for pages with lower quality clicks.

Selected Side Projects

Vimflowy Productivity tool inspired by vim and workflowy. [Source].

Hanabi simulation Game engine in Rust for simulating hanabi strategies. [Source].

EigenSeeClearlyNow Small website with linear-algebra visualizations and a game. [Source].

JSwidler challenge Wrote solver for SAT variant, for challenge coworker wrote (link).

Skills

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

William Lowell Putnam Mathematical Competition Top 200

2010

USA Mathematics Olympiad qualifier

2006, 2007, 2008