

# JONATHAN PAULSON

[jonathanpaulson@gmail.com](mailto:jonathanpaulson@gmail.com) 814-441-8990

## WORK

### **Jane Street Software Engineer** (February 2015-Present)

OCaml

Risk management infrastructure

- Main developer on one risk management server
- Secondary developer on another risk management server

Designed and implemented the replacement to an important internal RPC protocol

Learned about finance; did many interviews; wrote interview questions

### **Google Software Engineer** (August 2013 - February 2015)

Promoted after 16 months (median time: 22 months)

Worked on YouTube Music Key

Python, Mapreduce, Google-specific technologies

Designed, implemented and maintained several pipelines managing millions of YouTube videos

### **Dropbox Software Engineering Internship** (Summer 2013)

Worked with recruiting team on designing and implementing a resume parser

### **Palantir Software Engineering Internship** (Summer 2012)

Rewrote part of data integration pipeline to use HBase (Java, NoSQL)

### **Microsoft Software Engineering Internship** (Summer 2011)

**TA for 15-210: Parallel Algorithms** (Spring 2012)

**TA for 15-211: Algorithms & Data Structures** (Fall 2010)

## EDUCATION

**Carnegie Mellon University** class of 2013

Bachelor of Science in Computer Science and Mathematics

GPA: 3.90

## PROGRAMMING CONTESTS

Placed 7<sup>th</sup> (out of 45,754) at Google Codejam 2013

Team placed 11<sup>th</sup> at ACM-ICPC World Finals 2013

Team placed 33<sup>rd</sup> at ACM-ICPC World Finals 2012

Project Euler – 415 problems solved (149<sup>th</sup> out of 621,236)

Helped prepare problems for Google Codejam 2014

Top 200 in Putnam 3 years in a row

## LANGUAGES

OCaml, Python, C++, Java, SML, JavaScript, HTML, MySQL, C#, CSS, PHP

## TOOLS

Vim, UNIX, Emacs, Mercurial, Git, Microsoft Office, LaTeX