

Kellen Donohue

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EDUCATION

University of Washington, Seattle, WA

M.S. Computer Science and Engineering, June 2013

B.S. Computer Engineering, June 2012, Cum Laude, B.A. Political Science, June 2012, Cum Laude (Minor: Applied Mathematics), Overall GPA: 3.81

INDUSTRY EXPERIENCE

Palantir Technologies

Forward Deployed Software Engineer: July 15 – Present

- **Tech lead** of several ~6-engineer teams creating big data procession, analysis, and operational decision making for variety of clients
- Developed landing slot assignment optimization system for major airline using **Kafka, Spark, Java, Python, Typescript, Elasticsearch**
- **Entity resolution** pipeline investigation framework for multinational bank processing **1 TB/day** from over 60 data sources
- Awarded **patent** for member engagement and provider data integrity system and web app for nationwide insurance company with **Postgres, React/Redux, Dropwizard**

Google – Helpouts, Hangouts

Software Engineer: July 13 – July 15

- Completed front-end projects, primarily in **Java, JavaScript, HTML5**
- Implemented **unified notification** system for user notifications and user discussions across iOS, Android, SMS, web, and email

Facebook – Platform

Software Development Intern: June 12 - September 12

- Developed send-to-mobile, a system for delivering mobile app install notifications to Facebook users in **PHP, XHP, and JavaScript**, serving **millions of impressions** and 1000s of conversions daily.

ACADEMIC RESEARCH

NET Daikon Compiler Front-End – under Professor Michael Ernst

Research Assistant: October 10 – June 13

- Published "Writing and Enforcing Contract Specifications" *ICSE 2013*, Created program to modify **C#** programs by inserting calls to reflectively inspecting variable contents

ADDITIONAL INFORMATION

- Additional internships: **Google** 2011, **Facebook** 2010, **Microsoft** 2009, 2008
- Open-source contributions: <https://github.com/melonhead901>
- Graduate areas of focus: Programming Languages, AI, Distributed Systems, Compilers, Security, Software Engineering

TECHNICAL SKILLS

- Knowledgeable in: Java, Python, Spark, Cloud and Distributed Systems
- Experience with: Typescript/JS, Flink, React, C#, PHP, Ruby+Rails, SQL
- Exposure to: C++, C, ML, MATLAB, Hive

