

JOSEPH ELLIS

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EDUCATION

University of Chicago

June 2015

B.S. and M.S. in Computer Science
Member of the Varsity Wrestling Team

Master's Research Project

June 2014 - June 2015

UCARE Research Team

Chicago, IL

- Researched Hadoop's ability to handle degraded networks while using erasure encoded storage.
- Proposed a new method of handling degraded networks when using erasure encoded storage.
- Created analytic models and ran test workloads on Hadoop to analyze performance.

EXPERIENCE

Palantir Technologies

June 2015 - Present

Software Engineer

Palo Alto, CA

- Work with the distributed computation and data integration teams.
- Design and implement new features allowing for the analysis of petabytes of data.

Palantir Technologies

June 2014 - September 2014

Software Engineer Intern

Palo Alto, CA

- Added the ability to export data from the distributed compute engine to databases such as Elasticsearch.
- Designed and built a web application that allows users to remotely configure their servers.
- Worked with team members to design and build deployment management software.

Palantir Technologies

June 2013 - September 2013

Infrastructure Quality Engineer Intern

Palo Alto, CA

- Automate existing tests and contribute new functionality to the automation framework
- Design and execute tests related to functionality and scalability.
- Debug software and server issues.
- Find and file defects and verify fixed deficiencies.

University of Chicago

June 2012 - June 2014

Teaching Assistant

Chicago, IL

- Built a system allowing student work to be analyzed for plagiarism.
- Graded student coursework.
- Helped students during weekly lab exercises.
- Answered questions using an online forum.

TECHNICAL SKILLS AND INTERESTS

- Proficient in Java, C, C++, Python, SQL, and Bash.
- Experience with web development including Javascript, HTML, and CSS.
- Experience with systems including Hadoop, Spark, PostgreSQL, MySQL, and Elasticsearch.
- Interested in the design and implementation of distributed systems.