

Alexander J. Kordas

Email: site@alexkordas.me

Objective:

Leverage and continue to develop my passion for high-performance networks and distributed systems through full-time employment in the field of software engineering.

Education:

University of Illinois at Urbana-Champaign -- 8/2011-5/2015 (*expected*)

GPA 3.88/4.0, Dean's List all eligible semesters

BS Computer Engineering, Business Minor (focus on systems and networks)

Chancellor's Scholar, James Scholar

Experience:

Wolverine Trading, Market Data Team -- 5/2014 to 8/2014

- Developed a multithreaded, asynchronous, TCP-based testbed to simulate interactions with a stock exchange, including quoting, order processing and filling, and risk management settings using C++11 and Boost libraries.

Informatica Corporation, Ultra Messaging Business Unit -- 5/2013 to 8/2013

- Developed and analyzed a kernel bypass memory access layer for Mellanox and Myricom high-performance network interface cards.
- Created automated product API tests in C, Java, and C#.
- Fixed bugs and added new API calls in the main Ultra Messaging source tree.

UChicago/Argonne National Lab -- 6/2012-8/2012 and 6/2011-8/2011

- Developed a prototype virtual filesystem for mounting Globus Storage endpoints on personal Linux machines using Filesystem in Userspace (FUSE) technology.
- Constructed an automated nightly testing framework for the Globus Online REST API using Python, Nose, and Atlassian's Bamboo software for continuous integration.

University of Illinois Campus Honors Program -- 9/2011 to present

- Administered web-based admissions system using HTML and MySQL databases.
- Supervised the development of an entirely new website using HTML, CSS, and Javascript.

Skills:

Programming (proficiency order): C/C++, Python, Java, C#, Bash, SQL

Operating Systems (proficiency order): Unix, Windows, OS X

Activities:

Tau Beta Pi Engineering Honors Society, Illinois Alpha Chapter

Tau Beta Pi Treasurer 2013-2014

Tau Beta Pi Distinguished Active Member, Fall 2013 and Spring 2014

Honors Student Council

President: 2014-2015, Treasurer: 2012-2014