

## Work Experience

### Globus

SaaS Backend Engineer  
*University of Chicago*  
July 2013 – Present

- Maintained 24x7 production SaaS services on AWS as a member of operations team
- Develop software for several projects, including the open source Globus SDK and CLI

### Manticore Project

Contributor  
*John Reppy, University of Chicago*  
June 2011 – June 2013

- Adapted thread scheduling to prioritize non-IO bound computations
- Worked on full or partial flattening on arbitrarily nested arrays and tuples

### Computer Science Instructional Laboratories

System Administrator  
*University of Chicago*  
May 2010 – June 2013

- Administered Mac OS X servers, Ubuntu servers, VMWare ESXi servers, and Mac OS X workstations
- Implemented a new configuration management service using Fabric

### Computer Science Department

TA, Grader  
*University of Chicago*  
January 2012 – June 2013

- Networks and Distributed Systems (Winter 2012, Spring 2013), Computer Science with Applications I (Autumn 2012), Honors Introduction to Computer Science II (Winter 2013)

## Skills & Experience

### Selected Open Source Work

|            |  |
|------------|--|
| Globus SDK | <a href="https://github.com/globus/globus-sdk-python">globus-sdk-python.readthedocs.io</a> |
| Globus CLI | <a href="https://github.com/globus/globus-cli">github.com/globus/globus-cli</a>            |
| nose2      | <a href="https://nose2.io">nose2.io</a>  |
| click      | <a href="https://click.palletsprojects.com">click.palletsprojects.com</a>                  |
| webargs    | <a href="https://webargs.readthedocs.io">webargs.readthedocs.io</a>                        |

### Programming & Scripting Languages

Python, Bash, make, awk, SQL, Javascript, CSS, Ruby, C, SML, Java, and a smattering of many others

## Education

### University of Chicago

BS in Computer Science and BS in Mathematics  
GPA 3.5  
June 2013

Notable Courses: Topics in Operating Systems, Advanced Distributed Systems, Formal Languages, Algebraic Number Theory

## Publications

### Data-Only Flattening for Nested Data Parallelism

Manticore Project, University of Chicago  
*L. Bergstrom, J. Reppy, S. Rosen, A. Shaw, M. Rainey, M. Fluet*  
PPoPP 2013

### Status Report: The Manticore Project (2012)

Manticore Project, University of Chicago  
*C. Berger, L. Bergstrom, J. Reppy, S. Rosen, N. Sandler, A. Shaw, M. Rainey, M. Fluet*