

Benjamin H Glick

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Goals

To be fully equipped to be a team cheerleader and tactician, to have sufficient knowledge of fluid dynamics and conceptual computer science to be able to choose which is best suited to my skills and to succeed in a job in my chosen direction, to be conversant in Chinese so that I can pursue business opportunities in or with China

Strengths/Skills

Planning, problem solving, tactics, motivating or inspiring others, anchor of a team or group, interest in politics, economics & current events, ability to develop CS skills, speed at grasping new and complex concepts. Technical skills include python, c, c++, relational databases, javascript, html/css, java and \LaTeX

Education

2012-2016 Student (High School Diploma, 2016) - The University of Chicago Laboratory High School
2016-Present Student (BA, Expected 2020) - Lewis and Clark College (GPA: 3.726)

Relevant Coursework Includes

- Computer Networks and Web Development
- Computer Architecture and Assembly Languages
- Computer Graphics
- Physics Intro Sequence
- Linear Algebra
- Single-variable and Multi-variable Calculus

Experience

June 2017 - Present Swift Project, Argonne National Laboratory / Computation Institute, University of Chicago
Undergraduate Student Developer

The Swift research group creates and maintains high-performance computing tools for scientific and data-intensive computing. With Swift, I develop, maintain, and manage tools to make data-intensive and computationally demanding tasks easy to use, secure, and scalable in a variety of computing environments from multicore computers to some of the largest supercomputers in the world.

May 2017 - Aug. 2017 Knowledge Lab, Computation Institute, University of Chicago / IQSS/Harvard Business School
Research Assistant

In practice, the quality or efficiency of science is (reluctantly) measured with citation counts, but what citations actually mean is unclear. The RA on this project will help design and deploy a large-scale, intelligent survey to thousands of scientists to understand why they cite particular works and whether and how citations can be used to measure the performance of science. The survey will use proprietary data on millions of scientists and their publications/citations.

Jan. 2017 - Lewis & Clark College
May 2017 *Stewart LLC Coordinator*

Plan events relating to the Holistic Wellness living learning community located in Stewart Hall.

June 2016 - Globus/Computation Institute, University of Chicago
Aug. 2016 *Summer Intern*

Worked on a team to develop a resource for the globus group at the University of Chicago. Developed a product which allows scientists to securely search, share, process and access confidential scientific data stored in the globus cloud, which is currently hundreds of petabytes of data.

Technologies: python, flask, html/css, javascript, amazon EC2, SQL databases.

Sep. 2004 - Brett Wolf Judo/Menomonee Judo Club
Present *Senpai/Judoka*

Competed at National Level, Taught beginner students, taught disabled students and military veterans. Learned leadership skills through mentoring and coaching younger teammates. Learned to teach in an adaptive way from working around people's various disabilities. Develop ability to approach events in my life with a belief system that helps me have empathy and integrity.

June 2015 - Computation Institute, University of Chicago
Aug. 2015 *RDCEP Summer Scholar*

Developed and applied skills in Mathematics and Computer Science. Member of a small team of high school interns on projects using large scale data. Developed ability to build my own solutions using mathematical models. Navigate and organize a team with different skills and motivation levels

Technologies: Python, Scipy, IPython, Amazon EC2, Mysql,R.

June 2014 - Beijing No.4 High School
July 2014 *Student*

Studied Chinese Language and Culture at Beijing High School Four. Lived with a non English speaking host family, developed Chinese language and communication skills and learned about education and teenage life in China. Immersed in a culture with few similarities to my own

Publications, Awards, and Recognition

Nov. 2017 IEEE and ACM SIGHPC
Publication

Work relating to cloud computing infrastructure selected to be published *In Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis (SC'17)*.

Benjamin Glick, Kyle Chard (Advisor), and Yadu Babuji (Advisor). 2017. Scalable Parallel Scripting in the Cloud. 2 pages.

- Sep. 2017-Present** Python Software Foundation
Membership
Became a contributing member of the Python Software Foundation
- Sep. 2017** Lewis & Clark College
Special Selection
Selected as one of four students to be a founding member of the Lewis & Clark College Data Science and High Performance Computing Center.
- Jun. 2017-Present** The Association of Computing Machinery
Membership
Became a member of the Association for Computing Machinery and ACM SIGHPC Special Interest Group in High-Performance Computing
- May. 2017-Present** Institute of Electrical and Electronics Engineers
Membership
Became a member of the Institute of Electrical and Electronics Engineers (IEEE)
- May 2017** Lewis & Clark College
Award
Made Dean's list for 2017 spring semester
- April 2017** National Cyber League
Placed 60th (out of 2000) in the 2017 Spring National Cyber League cybersecurity competition.
- April 2017** National Cyber League Team Competition
Competition
Placed 38th in the 2017 Spring National Cyber League team cybersecurity competition.
- Feb. 2017** Pacific Rim Regional Cyber Defence Competition
Competition
Placed 3rd in the 2017 Pacific Rim Regional Cyber Defence Competition