Arjun Rawal
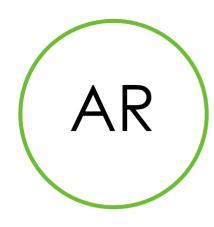
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Work

Software Engineering Intern | June 2019 – Sep 2019 | Amazon
Interned on the AWS S3 Batch Operations Team. Worked on service-oriented architecture to develop, test, and release new batch object operation for public use.

Software Intern | June 2018 - Aug 2018 | MacArthur Foundation
Converted and updated Foundation APIs and scripted automated stand up of servers to allow for simple deploys. Implemented continuous monitoring of web resources for security and reliability.

Software Engineer Intern | June 2017 - Nov 2017 | Halo Investing
Worked with a team to design and implement a structured notes platform to allow real time pricing, trading, and auctions.

Education

University of Chicago | 2019 – 2020
M.S. in Computer Science with Research Focus | GPA 3.94

Worked with Professor Andrew A. Chien on developing a hardware accelerator with order of magnitude performance processing big data. Used data compression techniques to improve high energy physics data storage for ATLAS and CERN experiments.

University of Chicago | 2016 - 2020
B.S. in Computer Science and Mathematics | GPA 3.73

Selected Coursework:

Networks, Machine Learning, Operating Systems, Parallel Computing, Algorithms, Cryptography, Computer Architecture, Complexity Theory, Programming Languages, Algebra, Discrete Math, Analysis.

Publications

Programmable Acceleration for Sparse Matrices in a Data-movement Limited World
Arjun Rawal, Yuanwei Fang, Andrew A. Chien.

Technologies/Skills

C | Python | Java | SML | Haskell | Javascript | Git |MacOS | Ubuntu
C# | C++ | LaTeX | Bash |

Awards
Dean's List 2017, 2018, 2019
2019 Deans Fund Recipient
Technical Committee on Parallel Processing Award Recipient

Interests
Jazz Piano
Chicago Bears | Chicago Bulls | Chicago Blackhawks