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 complex 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 3.85

Worked with Professor Andrew A. Chien on developing a hardware accelerator with order of magnitude performance processing big data.

University of Chicago | 2016 - 2020
B.S. in Computer Science and Mathematics | GPA 3.70
Selected Coursework:

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

Publications/Talks

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

Heterogeneity in Computing Workshop 2019
Talk - May 19, 2019 @ HCW/IPDPS 2019, Rio, Brazil

Technologies/Skills

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

Awards

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

Interests

Jazz Piano
Chicago Bears | Chicago Bulls | Chicago Blackhawks