

Eric H Metcalf

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EDUCATION

Brown University, Providence, Rhode Island, USA

- Ph.D. in Computer Science Aug 2016 – (Expected) Jul 2022
 - Research Focus: Databases
 - Adviser: Prof. Stan Zdonik
- M.S. in Computer Science Aug 2016 – (Expected) Aug 2018
 - Cumulative GPA: 4.0 / 4.0
 - Related Coursework: Design/Analysis of Algorithms, Computer Vision, Design of Computing Systems, Design/Implementation of Programming Languages

Lehigh University, Bethlehem, Pennsylvania, USA

- B.S. in Computer Engineering Aug 2012 – May 2016
 - Summa Cum Laude
 - Cumulative GPA: 3.90 / 4.00
- B.S. in Integrated degree in Computer Engineering and Social Science Aug 2012 – May 2016

RELATED EXPERIENCE

Brown University, Providence, Rhode Island

- Research Intern and Teaching Assistant Aug 2013 – Aug 2015
 - Research Assistant: Developing a Streaming Time Series Database Management System named Metronome
 - Teaching Assistant: Database Management Systems

1010data, New York, New York

- Developer Intern Jun 2015 – Aug 2015
 - Built and redesigned the Java Software Development Kit which improved their client side facing utilities
 - Created automated test suite that tests the performance and functionality on 80% of the functions in the Java SDK
 - Wrote clear and concise documentation with usage examples using doxygen to be used for external use

Lehigh University, Bethlehem, Pennsylvania

- Research and Teaching Assistant Aug 2013 – Aug 2015
 - Research Assistant: Worked in the Computational informatics Lab under Professor Brian Chen, and Robotics Lab under Professor John Spletzer
 - Teaching Assistant: Discrete Structures, Design and Analysis of Algorithms, and Programming Languages

Ares Corporation, Houston, Texas

- Risk Analyst Intern May 2013 – Aug 2013
 - Created an automated process with Visual Basic to update a statistical model used to calculate failure probability
 - Collaborated on a team evaluating reliability of Boeing's Vehicle in NASA's Commercial Crew Program
 - Obtained and interpreted data which was used to calculate probability of a catastrophic mission failure

SKILLS

Java, C++, SQL, Verilog, Functional Programming, ARM Assembly, Object Oriented Design

AWARDS & SCHOLARSHIPS

- Graduate School Fellowship, Brown University 2016 – 2017
- Dean's List, Lehigh University 2013 – 2016
- Presidential Scholarship, Lehigh University Jan 2016 – Aug 2016

LEADERSHIP

Discover, Brown University and Rhode Island School of Design

- Founder and Director Feb 2016 – Aug 2016
 - Created collaborative art show containing work made by Brown PhD students paired with RISD Undergrads
 - Held a 2 week expedition containing 12 different pieces of art made in different mediums (photography, furniture, sculpture, and textiles)
 - Created collaborations that continued after the art show was finished

Computer Science Department, Brown University

- Recruitment CZAR Mar 2017 – Aug 2018
 - Organized recruitment visit weekend for accepted PhD Students

INTERESTS

Photography, Frisbee, Rock Climbing, and Backpacking

REFERENCES

- **Professor Stan Zdonik**
Professor of Computer Science
Brown University
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- **Dr. Nesime Tabul**
Senior Research Scientist
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