

Eric H Metcalf

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EDUCATION

Brown University, Providence, Rhode Island, USA

- Ph.D. in Computer Science Aug 2016 – Jul 2022
 - Research Focus: Databases
 - Adviser: Prof. Stan Zdonik
- M.S. in Computer Science Aug 2016 – Aug 2018
 - Cumulative GPA: 4.0 / 4.0

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, Bethlehem, Pennsylvania

- 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 Cooperation, 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

AWARDS & SCHOLARSHIPS

- Dean's List, Spring 2013 through Spring 2016, Lehigh University 2013 – 2016
For attaining a semester GPA of at least 3.60 in a given Semester.
- Presidential Scholarship, Lehigh University Jan 2016 – Aug 2016
For significant academic achievement and earning above a 3.8 cumulative GPA.

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

SKILLS

T_EX, L_AT_EX, X_EL_AT_EX, MATLAB, Mathematica, Maple, R, Tableau, Adobe Photoshop, Adobe Illustrator, Microsoft Word, Microsoft Excel, Microsoft PowerPoint.

INTERESTS

Digital photography, typography, swimming.

REFERENCES

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