

Brian Gauch

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Links to all publications available at: <http://www.briangauch.com/>

EDUCATION

- Vanderbilt University** Nashville, TN
Master of Science, Computer Science. GPA: 3.61 January 2019
- Relevant coursework: Machine Learning, Design and Analysis of Algorithms, Graph Algorithms, Advanced AI, Computational Economics, Computer Vision, Human-Computer Interaction
- Washington University in St. Louis** St. Louis, MO
Bachelor's degree, Computer Science. GPA: 3.47 May 2014
- Relevant coursework: Parallel and Sequential Algorithms, Artificial Intelligence, Computer Graphics, Decision Under Risk and Time, Object Oriented Software Development

PUBLICATIONS

- **Brian Gauch**, Richard Alan Peters. "Animation Generation with a Low-Dimensional Simplicial Complex" *International Conference on Pattern Recognition and Artificial Intelligence* 2018
- Jiarui Gan, Bo An, Yevgeniy Vorobeychik, and **Brian Gauch**. "Security Games on a Plane" *AAAI Conference on Artificial Intelligence* 2017
- **Brian Gauch**, Gautam Biswas. "Behavior Changes across Time and between Populations in Open-Ended Learning Environments" *International Conference on Intelligent Tutoring Systems* 2016
- John Siler Kinnebrew, **Brian Gauch**, James Segedy, Gautam Biswas. "Behavior Changes across Time and between Populations in Open-Ended Learning Environments" *International Conference on Artificial Intelligence in Education* 2016

EXPERIENCE

- Vanderbilt University** Nashville, TN
Teaching Assistant May 2016 – December 2018
- Two publications during this time, see publications section above
 - TAed for the following courses: Machine Learning, Intermediate Software Design, Artificial Intelligence, Discrete Structures, Programming and Problem Solving
- Vanderbilt University** Nashville, TN
Research Assistant August 2014 – April 2016
- Two publications during this time, see publications section above
- SOAPware Inc.** Fayetteville, AR
Software Development Internship May 2014 – August 2014
- Gained experience with a small, agile company
 - Solved several tickets, most of which were to improve the company's web front-end
- Centene Corporation** St. Louis, MO
IT Internship May 2013 – August 2013
- Built large/complex SQL queries, building on top of a mature database
 - Used queried data to perform some business logic using Java
- J.B. Hunt Corporation** Fayetteville, AR
IT Applications Internship May 2012 – August 2012
- Helped create a visualization of truck routes and locations using Java
 - Interfaced with legacy COBOL code using Java

Languages, in order of familiarity, descending: Java, C, C++, Python, MATLAB, SQL, Javascript, PHP