Thomas J. Gaidus

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EDUCATION

Williams College, Williamstown, MA
Bachelor of Arts in Computer Science and Geoscience, June 2013 (3.58/4.00 GPA)
- Dean's List: Fall 2009, Spring 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2013, Spring 2013
- Awarded the Alumni-sponsored Class of 1971 Scholarship for the 2009 – 2010 academic year
- New England Small Colleges Athletic Conference (NESCAC) All-Academic Honors
- Coursework: Data Structures and Advanced Programming, Computer Organization, Algorithm Design and Analysis, Principles of Programming Languages, Theory of Computation, Introduction to Research and Development in Computing, Distributed Systems, Computer Networks, Research in Computer Science

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EXPERIENCE

Microsoft Corporation, Redmond, WA
Software Development Engineer, Summer 2013 – present
- Monitoring and cluster exhaust team working on SQL Azure Database
- Developing and deploying monitoring and diagnostic services to production Azure clusters
- Build new frameworks for authoring more advanced alerting scenarios
- Alert based upon telemetry and work to improve time-to-detect and time-to-mitigate

Application Experts, Broomfield, CO
AIM Development Engineer, Winter 2012 – Spring 2013
- Built a Ruby on Rails web application to perform "health checks" on clients' Salesforce accounts to determine most frequently used features in an effort to better target future sales
- Worked with developers on improving the old code base as well as adding new features for future releases
Upgrade Tools Development Intern, Summer 2011 – Winter 2012
- Developed a tool to remove the need for manual input during product updates effectively cutting down upgrade time from over an hour to under 10 seconds through the use of the Salesforce Metadata API
- Transitioned to a remote role to continue development work during the school year

Williams College, Williamstown, MA
Peer Tutor, Introduction to Computer Science, Fall 2011 – Spring 2012
- Aid students in introductory computer science classes

COMPUTER SKILLS
- Languages: Java, C#, and Python (highly proficient); Ruby and Javascript (somewhat proficient)
- Technologies: Windows, Linux, Ruby on Rails, SQL Server, MongoDB, Redis, ElasticSearch, Neo4J, Hadoop, Heroku

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RELEVENT PROJECTS
- **WikiSearch:** A Hadoop BFS algorithm for determining the overall connectedness of the Wikipedia graph formed by the links between articles.
- **WikiPath:** A Python program to find the shortest path between any two Wikipedia articles, relying heavily on a Redis cache of edges.
- **CPE 409 Special Topics in Software Engineering:** Completed the Google University/Cal Poly course on Android Application Development
- **Greensort: Measuring the Effects of Energy Intermittency in Distributed Systems:** Senior thesis on the effects of a non-constant energy supply on a cluster of machines performing sorting operations
- **SF Foodtrucks:** A web app displaying San Francisco food trucks on a map based upon a Flask backend and Javascript frontend

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COLLEGE/PERSONAL ACTIVITIES
- Varsity Cross Country, Indoor Track, and Outdoor Track, 2009 – 2013
- Leader of Freshman Orientation 4-day Backpacking Trips, Fall 2010
- Rock Climbing Instructor and Monitor, Fall 2010 – Present
- Interests: photography, mountain biking, rock climbing, running, backpacking, hiking, and traveling (cross-country 10 times visiting all 50 states, 10 Canadian Provinces and over 60 National Parks – www.cross-country-trips.com)