Emma Sax

https://emma-sax4.github.io

Skills

Languages/Frameworks	Software/Operating Systems	Other

Languages/Frameworks
- Ruby
- Ruby on Rails
- Bash
- Git
- GitHub API
- AWS API
- Java
- HTML/CSS
- Yaml

Software/Operating Systems
- OS X
- Linux
- Chef
- Amazon Web Services
- Kubernetes
- Bundler
- New Relic
- Datadog

Other
- self-motivated
- great leadership skills
- detail-oriented
- problem solving skills
- great organizational skills
- good time management skills
- work well in teams
- pair programming
- strong work-ethic
- good communication skills

Education

University of Minnesota, Morris (2013-2017)
- Bachelor of Arts in Computer Science; graduation with High Distinction
- UMM Dean's List: Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016
- Computer Science GPA: **3.974**; Cumulative GPA: **3.937**
- Saint Paul Conservatory for Performing Artists; Cumulative GPA: **4.004**

Relevant Courses
- Problem Solving and Algorithm Development
- Foundations of Computer Science
- Models of Computing Systems
- Calculus I
- Calculus II
- Probability and Stochastic Processes
- Data Structures
- Software Design and Development
- Algorithms and Computability
- Human-Computer Interaction and Interface Design
- Robotics and Systems
- Evolutionary Computation and Artificial Intelligence

Awards and Presentations

- UMM Morris Scholar in Spring 2013
- CenterPoint Energy Scholar in Fall 2014 and Fall 2015
- John Q. Imholte Scholar in Spring 2016
- Dian and Andy Lopez Scholar in Fall 2016
- Gold Star of Distinction recipient for my Senior Seminar presentation in Fall 2016
- 3rd place in the 2015 Digi-Key Collegiate Computing Competition (DKC^3)
- 3rd place in Best Undergraduate Paper from 2015 Midwest Instruction and Computing Symposium (MICS)
- 4th place in the 2015 UMM Annual Sorting Competition
- Presented at the 2015 UMM Undergraduate Research Symposium (URS)
- Presented at the July 2014 Clojure meetup in Mpls, MN
- Presented a Lightning Talk at DevOps Days MSP in 2017

Experience

Platform Operations Engineer, SportsEngine (June 2017 - present)
- Operations engineer with the Platform Operations team to enhance our platform with new features, manage our platform performance, fix the platform's bugs, and operate Chef cookbooks as well as the servers and instances with Amazon Web Services
- Utilized: Ruby (on Rails), bundler, rake, Yaml, Jira, Amazon Web Services, Chef, GitHub, New Relic

Junior Software Engineer, SportsEngine (January 2016 - May 2017)
- Operations engineer with the Platform Operations team to enhance our platform with new features, manage our platform performance, fix the platform's bugs, and operate Chef cookbooks as well as the servers and instances with Amazon Web Services
- Utilized: Ruby (on Rails), bundler, rake, Yaml, Jira, Amazon Web Services, Chef, GitHub, New Relic

Emma Sax

https://emma-sax4.github.io

Software Engineer Intern, SportsEngine (May 2015 - August 2015)
- Operations engineer with the Platform Operations team to track, deploy, and improve SportsEngine repositories and code
- Developed and improved Hubstats, a Ruby on Rails engine, that's designed to track pull requests, deployments, comments, teams, and commit information from GitHub
- Utilized: Ruby (on Rails), bundler, spork, rake, Yaml, Jira, Amazon Web Services, GitHub and GitHub API, New Relic

Software Developer, University of Minnesota, Morris (October 2014 - December 2014)
- Developed URSA Major to manage, automate, organize, and streamline URS submissions at UMM
- Added a full automated testing suite
- Researched methods to integrate local Mongo database and Angular system with Google Docs and other Google products
- Utilized: Javascript, HTML, CSS, MEAN stack, Webstorm

Software Developer/Researcher, University of Minnesota, Morris (May 2014 - July 2014)
- Tested, refactored, and researched Clojure code to create an easy-to-learn-in environment, ClojurEd, for beginning student programmers at UMM
- Added a full automated testing suite into an already existing code base
- Integrated error message replacement into an existing IDE (LightTable)
- Utilized: Clojure, LightTable

Hobbies and Other Interests

Music
- UMM Concert Choir
- Dress/Tux Manager, UMM Concert Choir (2014-2017)
- Extensive voice and piano lessons
- 2014 National Association of Teachers and Singing (NATS) Competition
- Vocal Jury (Spring 2015)
- Senior Recital (Spring 2017)

Peer Assisted Learning (PAL) Tutoring
- PAL Tutor for Calculus I (Spring 2015 - Fall 2015)

Student Campus Ambassador
- Gave UMM campus tours
- Presented at the 2015 UMM New Student Orientation
- Presented at the 2016 Community of Scholars
- Orientation Group Leader at UMM, Fall 2016

Dance
- UMM Dance Ensemble
- Choreographer, UMM Dance Ensemble
- Treasurer, UMM Dance Ensemble (2016-2017)
- Taught dance classes to children at Angell Dance Arts (Fall 2014 - Spring 2015)

Volunteering
- Summer Intern, Perspectives Inc. (June 2013 - August 2014)
- Junior Counselor, YMCA Camp Kici Yapi (August 2008 - July 2010)
- Counselor-In-Training, YMCA Camp Warren (June 2012 - July 2012)
- Play Team Volunteer, Minnesota Children's Museum (September 2011 - April 2012)
- Volunteer and Counselor-in-Training, True Friends Can (July 2011 - December 2012)
- Junior Counselor, YMCA Camp Kici Yapi (August 2008 - July 2010)