Emma Sax

emma.sax4@gmail.com ~ https://emmasax1.github.io

Profile

Skills

Languages/Frameworks	Software/Operating Systems	Other
● Ruby (on Rails)	● OS X	● self-motivated
● Git	● Microsoft Office	● love to learn
● GitHub API	● Linux	● detail-oriented
● Java	● Windows	● dedicated
● Javascript	● Chef	● great organizational skills
● HTML/CSS	● Amazon Web Services	● good time management skills
● Clojure	● Bundler	● work well in teams
● MEAN stack	● Spork	● pair programming
● C	● Rake	● strong work-ethic
● Yaml	● New Relic	● good communication skills

Education

University of Minnesota, Morris (2013-present)
- Bachelor of Arts in Computer Science, anticipated May 2017
- Participant in the UMM Honors Program
- UMM Dean's List: Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016
- Computer Science GPA: 3.972; Cumulative GPA: 3.931

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

Awards and Presentations
- Awarded the UMM Morris Scholarship in Spring 2013
- Recipient of the CenterPoint Energy Scholarship in Fall 2014 and Fall 2015
- Recipient of the John Q. Imholte Scholarship in Spring 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 in the 2015 UMM Undergraduate Research Symposium (URS)
- Presented at the July 2014 Clojure meetup in MPLS, MN

Experience

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

Software Engineer Intern, Sport Ngin (May 2015 - August 2015)
- Worked with the Platform Operations team to track, deploy, and improve Sport Ngin 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

URSA Major 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

ClojurEd Developer, University of Minnesota, Morris (May 2014 - July 2014)

- Tested, refactored, and researched Clojure code to create an easy-to-learn-in environment for beginning student programmers at UMM
- Added a full automated testing suite into an already existent code base
- Integrated error message replacement into an existing IDE (LightTable)
- Utilized: Clojure, LightTable

Hobbies and Other Interests

Music

- Participant in the UMM Concert Choir
- Dress/Tux Manager of the UMM Concert Choir Council
- Extensive voice and piano lessons
- Participation in the 2014 National Association of Teachers and Singing (NATS) Competition
- Participation in a Vocal Jury (Spring 2015)
- Participation in a 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 presentation
- Presented at the 2016 Community of Scholars
- Orientation Group Leader at UMM in Fall of 2016

Dance

- Participant in the UMM Dance Ensemble
- Choreographer in the UMM Dance Ensemble
- Treasurer of the UMM Dance Ensemble Board
- Taught dance classes to children at Angell Dance Arts (Fall 2014 - Spring 2015)

Volunteering

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