Becky Everson

Education

2012 - 2016   **B.S. Computer Science/B.A. Linguistics**, *University of Rochester*, Rochester, NY

Work

July 2016 - January 2021   **Senior Software Engineer**, *FactSet Research Systems*, Norwalk, CT
Worked as part of a team that was responsible for processing news feed data from hundreds of vendors. Projects included:
- Migrating a .NET data quality assurance app written in C# to an AngularJS web app with backend services written in Python (CherryPy)
- Increasing the scope of the app to include additional client workflows
- Providing middleware in Python (Flask) as part of a collaboration with machine learning and frontend developers to provide investment bankers with stronger company research tools. Acting as the lead backend engineer and collaborating with engineers and product managers in India.
- Designing and managing an intern project to improve non-technical employee experience when working with internal news applications

May 2017 - January 2021   **Engineering Internship Coordinator**, *FactSet Research Systems*, Norwalk, CT
Collaborated with HR and engineers in other offices to provide a fun summer experience for rising college seniors. Position was volunteer, not part of normal engineering responsibilities. Duties included:
- Recruiting candidates at university career fairs
- Performing technical phone screens and onsite demonstrations of the FactSet product for candidates (50-60 interviews per year with the goal of hiring 10 Norwalk interns)
- Sending company-wide emails to get intern project proposals, then working with senior leadership to select the projects that give the most business value
- Organizing internship orientation by scheduling presenters from different areas of the company
- Holding catch-up meetings with the intern managers to get status updates and catch issues early

August 2015 - May 2016   **Lead Teaching Assitant**, *University of Rochester*, Rochester, NY
Lead undergraduate teaching assistant (TA) for both introductory Computer Science classes, CSC 171 and 172. Duties included:
- Managing all other undergraduate TAs
- Teaching one section of the CSC 171 lab
- Working with CSC 171 and 172 professors to improve labs and homework questions

Research Experience

March 2017 - **An Online Platform for Community-Based Language Description and Documentation**, *Independent, with Scott Grimm and Wolf Honore*
The idea for an online community-based language documentation portal began when Scott Grimm and I were in Hawaii for ICLDC 5 (see Presentations, "From Toolbox Database to LaTeX Dictionary"). We noticed a lack of software designed to help communities drive their own language documentation projects. The initial project details included the following:
  ○ A phone application for community members to use to perform small documentation tasks, such as translating a word and recording a short phrase using it
  ○ An "admin portal" designed to assign tasks and review responses
  ○ A dynamically populated website with the admin-approved data, displayed as an interactive dictionary with audio recordings
This is an ongoing project with seemingly endless ideas for new features. Future project direction will be determined by Scott Grimm, University of Rochester graduate students, and user requests.

January 2016 - **From Toolbox Database to LaTeX Dictionary**, *University of Rochester, with Scott Grimm*
May 2016   Toolbox's options for exporting data does not include robust formatting tools. Scott Grimm needed a way to make his extensive Toolbox data on the Dagaare language into a formatted, printable dictionary. I wrote him a script that would take Toolbox raw text as input and convert it to LaTeX. He could then run the script to get a PDF with his desired formatting as the output. This dictionary and grammatical sketch of Dagaare has since been published with the formatted Toolbox data.

Conference Proceedings

2019 **An Online Platform for Community-Based Language Description and Documentation**, Rebecca Everson, Wolf Honore, and Scott Grimm, In Proceedings of the *3rd Workshop on the Use of Computational Methods in the Study of Endangered Languages, Association for Computational Linguistics.*

Presentations

2019 **An Online Platform for Community-Based Language Description and Documentation**, *6th International Conference on Language Documentation and Conservation (ICLDC), March 2019, University of Hawaii, Honolulu, HI*, with Wolf Honore and Scott Grimm. Technology Showcase Presentation.

2018 **Writing Dynamic Websites with FactSet Engineers**, *Dandyhacks: University of Rochester's Annual Student Hackathon*, Invited as part of FactSet's sponsorship of the event. Acted as the company representative during the hackathon. Presented with Charlie Kelman.

2017 **From Toolbox Database to LaTeX Dictionary**, *5th International Conference on Language Documentation and Conservation (ICLDC), March 2017, University of Hawaii, Honolulu, HI*, with Scott Grimm. Poster.

2017 **Python Web Services with CherryPy**, *Dandyhacks: University of Rochester's Annual Student Hackathon*, Invited as part of FactSet's sponsorship of the event. Acted as the company representative during the hackathon.

Awards and Grants

May 2016 **Teaching Assistant Award**, *University of Rochester Computer Science Department*, Awarded by professors during undergraduate graduation ceremony.

Spring 2012 **Research and Innovation Grant**, Granted by University of Rochester upon admission to undergraduate program.

Certifications

| December 2021 | **NASM-CPT**, *National Academy for Sports Medicine*, Certified Personal Trainer status is active for 2 years. Must be re-certified with qualifying continuing education credits every 2 years. |

Volunteering

| October 2021 - May 2022 | **Robotics Team Mentor**, *Rochester Adams High School*, Rochester, MI |
| | Mentor high school students in an after school robotics club. Students build a robot in the fall to compete in the Oakland County Competitive Robotics Association (OCCRA) competition, then build a robot in the spring to compete in the For Inspiration and Recognition of Science and Technology (FIRST) competition. Mentor duties include: |

- Working with the business management team, which consists of public relations, the business plan, and Chairman's Award subteams
- Attending competitions as a chaperone and to help answer student questions in between matches
- Organizing and participating in community outreach events
- Providing networking opportunities for students by connecting them with young professionals to learn more about different career paths

| Spring 2018 – Winter 2019 | **Basic Python Tutorial**, *Norwalk Public Library*, Norwalk, CT |
| | Worked with 3 coworkers to develop a short and simple Python coding curriculum, then gave weekly lessons at the public library for free. Unaffiliated with FactSet. |

Relevant Skills

Technology	Python, Javascript, HTML, CSS, Microsoft Office, Linux, MacOS, Windows, LaTeX
Linguistic Software	Praat, Elan, FieldWorks, Toolbox
Soft Skills	Program development and management, problem solving, stakeholder communication