

Sher Sanginov

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Education

Berea College, Berea, KY

Aug 2015 – May 2019

- **B.A.** Computer Science. **GPA:** 3.51.
- **Relevant Courses:** Software Design and Implementation, Data Structures, Design and Analysis of Algorithm, Data Analytics, Software Engineering, Database Systems, Computer Networking.
- **Scholarships/Awards:** Four year Full Tuition Scholarship, Dean's List (3x).

Work Experience

Software Developer Internship, Berea College

June 2017 – Aug 2017

- Developed Student Labor Analytics tool for the Labor Office Department at Berea College using Ruby, Rails framework, CSS, AJAX and JavaScript.
- Assisted clients with any issues and provided new features on production ready web applications.
- Maintained systems and resolved 3+ issues per week on 3 live web applications.

Student Programmer, Berea College Computer Science

Sep 2016 – Present

- Designed and developed 3 web applications used by 1600+ students and 300+ faculty in a team of 8 using agile methodology.
- Made administrative workflow of various Berea College department and offices more efficient by saving faculty and staff 200 hours per term.
- Project lead and scrum master when building the Course Management web app in a team of 4 .

Projects

(more at <https://github.com/sanginovs>)

- **StockGenie.** A web application offering real-time stock price information, and chart analysis that can also predict future price of stock using neural networks. [*Python(Flask), TensorFlow, Quandl API, SQL*]
- **WorldChat.** A scalable social networking web application built with Flask web framework that makes it easy for users to connect, chat and share with their friends and family online. [*Python(Flask), MongoDB, Amazon Web Services, Javascript, Bootstrap*]
- **My Twitter App.** Microblogging web application built with Ruby on Rails where users post and interact with messages restricted to 140 characters. [*Ruby on Rails, Javascript, Bootstrap, Sass, MySQL*]
- **HTTP Mail Server Protocol (Hackathon 2017).** A messaging server that uses socket-based communications to communicate data between a client and multi-threaded server in a manner that obeys a well-defined set of rules, or protocol. [*Python, Sockets, PostgreSQL*]

Skills

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|-----------------------------------|---|
| • Programming (Proficient) | Python, Java, C, C++, JavaScript, R |
| • Programming (Familiar) | Swift, Lisp, Ruby, Go, PHP |
| • Libraries/Platforms | Flask, Ruby on Rails, Django, jQuery, Git, AWS |
| • Markup/Templating | HTML, CSS, Liquid, Sass, Jinja, ERB, Markdown |
| • Data/Databases | MongoDB, PostgreSQL, MySQL, Machine Learning, Redis |
| • Frameworks/Architectures | Agile, Lean, AJAX, MVC |
| • Languages | English, Russian, Tajik(farsi) |

Activities

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|---|----------------------------|
| • President of the Muslim Student Association , Berea College. | Aug 2015 – May 2017 |
| • Certificate of Achievement , ACM Programming Competition. | Dec 2016 |