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 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 during the development of Course Management web application

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, Unittest*]
- **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, Unittest*]
- **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

- **Programming (Proficient)**   Python, Java, C, C++, JavaScript, R
- **Programming (Familiar)**   Lisp, Ruby, Go, PHP
- **Libraries/Platforms**   Flask, Ruby on Rails, Django, jQuery, Git, AWS, Ansible
- **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

- **Vice President of the Berea Innovation Studio,** Berea College   **Dec 2016 – Present**
- **President of the Muslim Student Association**, Berea College   **Aug 2015 – May 2017**
- **Certificate of Achievement,** ACM Programming Competition.   **Dec 2016**