

Sher Sanginov

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Education

Berea College, Berea, KY

Aug 2015 – May 2019

- **B.A.** Computer Science. **GPA:** 3.54
- **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

Full Stack 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>)

- **BankTalk.** A web application with a virtual banking assistant that aims to make budgeting more convenient for everyone with a focus on those who may be suffering from a disability. [*Capital One's Nessie Api, Amazon Alexa, Python(Flask), Mysql, Bootstrap*]
<https://devpost.com/software/banktalk-xd25m0>
- **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*]
- **HTTP Mail Server Protocol.** 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 |
| • Open Source Contributions | Firefox Debugger.html |
| • Languages | English, Russian, Tajik(farsi) |

Activities

- **Vice President of the Berea Innovation Studio**, Berea College
- **President of the Muslim Student Association**, Berea College

Dec 2016 – Present
Aug 2015 – May 2017