

# Sher Sanginov

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## Education

Berea College	Berea, KY	Aug 2015 – May 2019
<ul style="list-style-type: none"><li>• <b>B.A.</b> Computer Science. <b>Dean's List</b> (3x). <b>GPA: 3.51</b> out of 4. <b>Full Tuition Scholarship</b>.</li><li>• <b>Relevant Courses:</b></li></ul>		
Data Structures 236 (C++ and Python);	Design and Analysis of Algorithm 440	
Software Design and Implementation 226 (Python);	Computer Networking 412;	
Software Engineering 426 (in process);	Database Systems 330 (in process);	
Calculus 1		

## Work Experience

Software Engineer Internship	Berea College	June 2017 to Present
<ul style="list-style-type: none"><li>• Worked with a talented team to improve communication between the customer and their clients, by automating data retrieval for the customer's clients</li><li>• Developed Student Labor Analytics tool for the Labor Office Department at Berea College using Ruby, Rails framework, CSS, Ajax and JavaScript.</li><li>• Maintain systems and resolved 3+ issues per week on 3 live web applications</li></ul>		
Software Developer	Berea College Computer Science	Jan 2017 to May
<ul style="list-style-type: none"><li>• Design and develop 3 web applications used by 1600+ students and 300+ faculty in a team of 8 using agile development methodology</li><li>• Make administrative workflow of various Berea College department and offices more efficient</li><li>• Assisting clients with any issues on production ready applications, while also maintaining and providing new features for the web applications.</li></ul>		

## Projects

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

- **My Twitter App (2017)**. Microblogging web application built with Ruby on Rails; demonstrates most of the real-world Twitter-like features such as authentication, user-management, user profiles and much more. [**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**]
- **Compiler (2017)**. Simplified example of major pieces of a modern compiler written in Python language; Compiles functional programming function calls into Python-like function calls. [**Python**]

## Skills

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|-----------------------------------|---|
| • <b>Programming (Proficient)</b> | Python, Java, C, C++, Javascript                    |
| • <b>Programming (Familiar)</b>   | Lisp, Ruby, Go, PHP                                 |
| • <b>Libraries/Platforms</b>      | Flask, Ruby on Rails, Django, jQuery                |
| • <b>Markup/Templating</b>        | HTML, CSS, Liquid, Sass, Jinja, ERB, Markdown       |
| • <b>Data/Databases</b>           | SQL, MongoDB, PostgreSQL, MySQL                     |
| • <b>Languages</b>                | English(proficient), Russian(native), Tajik(native) |

## **Activities and Awards**

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- **Hackathons**
- **Certificate of Achievement (2016).** ACM Regional Programming contest in Louisville, KY