

# 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
- **Scholarships/Awards:** Four year Full Tuition Scholarship, Dean's List (3x)

## Work Experience

**Machine Learning Intern**, NERSC, Berkeley National Lab

**June 2018 – Aug 2018**

- Developed NLP model that predicts grant categories that funded the project based on the content of the publications with 85% accuracy. Deployed the model into production with web user interface
- Saved thousands of dollars that were previously spent in people-time each year attempting to match papers to projects

**Community Tech Outreach**, Khujand, Tajikistan

**Jan 2018 – May 2018**

- Took a leave of absence from college to do tech-related community outreach in my home country Khujand, Tajikistan
- <https://khujandhacks.github.io/> - Organized the first ever hackathon "KhujandHacks" in my hometown with the help of Major League Hacking
- Held seminars in universities and high schools advocating the importance of computer science, diversity, women in tech, entrepreneurship, and organized developer events
- [www.ackhujand.com](http://www.ackhujand.com) - Volunteered to build and deploy Library Management System for American Corner Library in Khujand, Tajikistan

**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, HTML/CSS, AJAX and JavaScript

**Full Stack Student Developer**, 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

## Projects

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

- **ACKhujand** <https://ackhujand.com>  
Library System built for American Corner Library in Khujand, Tajikistan to manage their library, check-in/check-out books, manage library members. [Django/MySQL, Bootstrap]
- **Spero** (Global Virtual GovHack) <https://github.com/ramantehlan/Spero>  
Decentralized job marketplace for refugees, asylums and NGOs. [Python, JS, HTML/CSS, IPFS]
- **BankTalk** (HackNC-2017) <https://devpost.com/software/banktalk-xd25m0>  
A web application with a virtual banking assistant to make budgeting more convenient for everyone with a focus on those who may be suffering from a disability. [NLP, Amazon Alexa, Python(Flask), Mysql, Bootstrap]

## Skills

- Python, Django/MySQL, HTML/CSS, JavaScript
- NLTK, Tensorflow, Scikit-Learn, Keras

## Activities

- **BCHacks**, Hackathon at Berea College **Organizer (2017)**
- **Muslim Student Association**, Berea College **President (2015 – 2017)**