

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.
- [LinkedIn Article](https://goo.gl/tRe44j) (https://goo.gl/tRe44j) - Organized the first ever hackathon "KhujandHacks" in my hometown with the help of Major League Hacking.
- Organized developer events and held seminars in universities and high schools advocating the importance of computer science, diversity inclusion and women in tech.
- www.ackhujand.com - Volunteered to build and deploy a web-based Library Management System for American Corner Library in Khujand, Tajikistan.

Software Developer Internship, Berea College

June 2017 – Aug 2017

- Developed a web-based 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/SQL, HTML/CSS, JavaScript.
- NLTK, Tensorflow, Scikit-Learn, Keras, Git, Statistical Modeling.

Activities

- **Advanced US College Prep** - teaching online course to 50 low-income high school students to get a full scholarship for studying in the US. One requirement is that they have to major in CS.
- **BCHacks**, Hackathon at Berea College. **Organizer (2017)**
- **Muslim Student Association**, Berea College. **President (2015 – 2017)**