

Sher Sanginov

shersanginov6505@gmail.com • 650-495-4734 • www.linkedin.com/in/sher6505/

Education

Berea College, Berea, KY

Aug 2015 – Dec 2019

- **B.A.** Computer Science. **GPA:** 3.5
- **Relevant Courses:** Cybersecurity, Networking, Database Systems, Software Engineering, Design and Analysis of Algorithm, Data Analytics
- **Scholarships/Awards:** Four year Full Tuition Scholarship, Facebook's 2019 Defcon/Blackhat Scholarship Recipient

Work Experience

Cybersecurity Tech Fellow, Codepath

Jan 2019 – Present

- Teaching Codepath 12-weeks cybersecurity course on campus to 20+ students.
- Helping students outside of course hours to complete their weekly labs and capture the flags assignments.
- Teaching students the fundamentals of web application security with offensive and defensive skills developed through hands-on experience.

Full Stack Student Developer, Berea College Computer Science

Sep 2017 – Present

- Working as a student developer on campus as part of the student labor program
- 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 Berea College departments and offices more efficient by saving faculty and staff 200 hours per term.

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.

Software Developer Intern, Berea College

June 2017 – Aug 2017

- <https://cas.berea.edu/> -Developed a web-based Course Management tool for the Registrar Office at Berea College using Python, HTML/CSS, AJAX and JavaScript.

Projects

- **Pentesting/Capture-The-Flag write-ups** <https://github.com/sanginovs/Codepath>
Completed pentesting assignments with write-ups for Codepath Cybersecurity course. [*List of pentesting tools, Kali Linux, VirtualBox*]
- **Fatima**
Mobile app to help Muslim singles to find their match. [*React Native, Expo, Firebase, ES6*]
- **ACLibrary**
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, Javascript*]
- **BankTalk** (HackNC-2017) <https://bit.ly/2TFG9Gi>
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, JavaScript, C++, SQL, Assembly
- Django, HTML/CSS, React Native, Metasploit, Nmap, Wireshark, Burpsuite

Activities

- **KhujandHacks** - organized the first ever hackathon in Khujand, Tajikistan (<https://goo.gl/tRe44j>)
- **BCHacks** - organized a hackathon at Berea College.