

# Sher Sanginov

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## Education

**Berea College, Berea, KY**

Dec 2019

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

## Work Experience

**Technology Summer Analyst, Morgan Stanley**

Jun 2019 - August 2019

- Developed web app that uses **AngularJS** for front-end and **Java** for back-end to automate the manual task of classifying and extracting information from large numbers of documents uploaded by clients in the on-boarding process.

**Cybersecurity Tech Fellow, Codepath.org**

Jan 2019 – May 2019

- Increase the largest pipeline of high-performing underrepresented engineers in tech via Codepath, a nonprofit that has raised \$1 million from Facebook and is bringing industry level courses to 23+ universities.
- Brought Facebook-designed 12-week cybersecurity course to campus teaching 25+ students the fundamentals of web application security through the hands-on experience; this resulted in students having zero cybersecurity knowledge to having a solid understanding of cybersecurity.

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

June 2018 – Aug 2018

- Developed a web app that uses machine learning models to automate the task of classifying research papers into their funding source; this led to saving the lab thousands of dollars previously spent attempting to match papers to their funding source.

**Full Stack Student Developer, Berea College Computer Science**

June 2017 – Present

- Employed as lead student developer on campus providing department with 500+ hours of software engineering service.
- Designed and developed 3 web applications used by 1600+ students and 300+ faculty in a team of 8 using the agile methodology; utilizing technologies such as **Flask, Javascript, Bootstrap, HTML/CSS, SQL**.
- The web applications made administrative workflow of Berea College departments and offices more efficient by saving faculty and staff 200 work hours per term.

## Projects

<https://github.com/sanginovs>

- **Fatima:** Tinder-like mobile app to help Muslim singles find their match by swiping left to right. [React Native, Expo, Firebase, ES6]
- **Worldchat:** 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.
- **MyLibrary:** Library management system built for managing the library, its members, and checking-in/checking-out books. [Django/MySQL, Bootstrap, Javascript]
- **BankTalk:** A web app with a virtual banking assistant that keeps track of transactions and provides budgeting suggestions. [Amazon Alexa, Python(Flask), MySQL, Bootstrap]

## Skills

- **Languages:** Python, Java, JavaScript, C++, SQL, HTML/CSS.
- **Tools and Frameworks:** Bootstrap, Angular, React Native, Spring, Django, Linux, REST, SOAP

## Activities

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