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SHER S. SANGINOV

EDUCATION

Berea, KY	Berea College	Aug 2015 – 2019

- B.A. in Computer Science, May 2019. **GPA**: **3.51 out of 4**
- Course Highlights: Data Structures (C++ and Python); Software Design and Implementation (Python), Design and Analysis of Algorithm; Computer Networking; Robotics; Build Better Apps; Calculus 1

EMPLOYMENT

Software Developer	Berea College Computer Science	Aug 2016 to Present

- Design and develop 3 web applications used by 1600+ students and 300+ faculty within a team of 8
- Make administrative workflow efficient by saving administrator, faculty and staff 200 hours per team
- Make 2 of our web applications open source

Desktop Support	Technology Resources Center	Aug 2015 - May 2016

- Worked as the team member of TRC help desk
- Helped students to resolve their laptops' technical issues
- Fixed technical problems ranging from forgotten passwords, malware-affected laptops that required reimaging to printing problems, and other hardware issues.

Education USA speaker	US Embassy in Tajikistan	July 2014 - May 2015

- Helped and encouraged students in Tajikistan to apply to US universities to pursue high level of education
- Mentored students with an application process, presented and promoted US universities in community high schools
- Made encouraging and instructive videos about how I got full scholarship from Berea College, posted in US Embassy's Facebook page to encourage students to pursue education.

RELEVANT PROJECTS

- **Maze Game (2016).** A computer maze game with excellent Graphical User Interface in which I used Depth-First and Breadth-First search algorithm for character (pacman) to move around the maze and backtrack if stuck. **Python; Tkinter**
- **Raspberry Pi Face Recognition Program (2015).** Robot that can drive around and detect faces, doesn't bump into things while driving and once it detects someone's face, it can shoot toy missile towards the target and run away. **Python; OpenCV; GoPiGo**
- **Steganography Tool (2015).** Program that embeds the user input message inside an image and also decodes the message from a picture. **Python**

Skills

- **Programming Languages (in order of proficiency)**: Python; Java; Javascript; C/C++; Ruby; Lisp;
- **Web**: HTML; CSS; Bootstrap; jQuery; Flask; Ruby on Rails;
- **Others:** Linux; TCP/IP; Git; Github;
- **Languages**: English(professional working proficiency); Russian(native); Tajik(native);

Additional Experiences and Awards

- **Four year Full Tuition Scholarship (2015)**. Awarded four year full tuition scholarship to attend Berea College
- **Future Leaders Exchange Student Award (2013).** One of the 14 students in Tajikistan who won the competition from among 800 students that allowed us to live in United States for free as an exchange student
- **Certificate of Achievement (2016).** Participated in the ACM ICPC Regional Programming contest in Louisville, KY

- **Dean's List Recipient (Berea College, 3x).**