

Doston Toirov

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Education

Berea College, Berea, KY

Aug 2017 – May 2021

- **B.A.** Computer Science & Mathematics. **GPA:** 3.75
- **Relevant Courses:** Software Design and Implementation, Data Structures, Theory of Computation, Networking, Data Analytics, Open Source Software Engineering, Combinatorics, Linear Algebra, Calculus I & II & III, Differential Equations.
- **Scholarships/Awards:** Four-year Full Ride Scholarship; Dean's List (4x)

Skills

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|--------------------------------|--|
| • Programming Languages | Python (most comfortable), JavaScript, C++, R |
| • Web Technologies | Flask, Django, HTML, CSS, VB.NET, React.js |
| • Data/Databases | MySQL, SQL Server, PostgreSQL |
| • Other | Linux, Bash, Docker, Podman, Git, Data Science, Ansible, OpenShift |

Open Source Contributions

- **Ansible.** Added extra features to Ansible Galaxy, such as adding a sorting functionality for saved repositories, and fixed several issues on Ansible Workshops. [**Django, Angular, JavaScript, HTML, CSS**]
- **Quipucords.** Contributed over 3,000 lines of code fixing numerous issues and adding extra features to an upstream product during 14-week long internship at Red Hat. [**Python, Docker, Ansible, Bash, Linux**]
- **Runestone Academy.** Helped write the books "C++ for Python Programmers" and "Data Structures and Algorithms with C++" which are available at the Runestone Academy. [**Python, C++, Git, Java**]

Work Experience

Student Software Developer, Berea College

May 2018 – present

- Maintained and improved 6+ web applications used by faculty and students of Berea College, including myBerea portal
- Developed an online student fee payment application under 4 weeks and added an extra layer of security using end-to-end encryption
- Extensively working on projects using VB.NET, C#, Python, SQL, Linux and Docker

Software Engineering Intern, Red Hat | IBM

May 2019 – Aug 2019

- Implemented features in Python (including unit and integration tests) and contributed them upstream in an Agile environment using bi-weekly sprints
- Wrote scripts for an automated data upload to host inventory and for an automated testing of the project
- Added support for RHEL 8 on the project installer using Podman

Teaching Associate, Computer Science Department, Berea College

Jan 2018 – Dec 2018

- Helped a professor with taking quizzes and in-class teaching in Data Structures course
- Assisted two classes of 25+ students with individual and teamwork assignments during lab hours
- Graded quizzes and assignments of 50+ students

Projects

(more at <https://github.com/Dostonbek1>)

- **Deep Learner - RevolutionUC Hackathon.** A desktop application used to build Artificial Neural Networks using solely GUI, without having to write a single line of code. [**Python, R, Tkinter, Machine Learning**]
- **Color Razor - Berea Local Hack Day.** Desktop application used for face and eye detection in pictures. Also used for giving different styles for pictures, such as changing pixel colors. [**Python, Tkinter, OpenCV, Machine Learning**]
- **Beruny Academy.** An online education platform that gathers tutorials on learning English language, web development and computer programming. More at beruny.com. [**HTML, CSS, JavaScript, Python**]
- **Flowilio.** A startup started as a web and desktop application to easily originate and manage loans. More at flowilio.com [**HTML, CSS, JavaScript, Python, Tkinter, Salesforce**]

Activities / Awards

- Completed 14-week-long Cyber Security course taught by CodePath and Facebook in top 3 out of over 100 students
- Vice President of Infinity Math Club at Berea College (2018-present)
- Selected to be a member of Phi Kappa Phi Honor Society among top 7.5% juniors at Berea College (2018-present)
- A member of Pi Mu Epsilon Honor Society (2019-present)
- A member of Pi Tau Epsilon Honor Society (2019-present)
- The Most Creative Selfie Award at International Youth Summit 2017 in Tashkent among 300+ participants
- The Best Speaker of Public Speaking by Dale Carnegie Course (2015) from two groups of 35+ students