

Doston Toirov

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Education

Berea College, Berea, KY

Aug 2017 – Dec 2020

- **B.A.** Computer Science. **GPA:** 3.75
- **Relevant Courses:** Software Design and Implementation, Data Structures, Theory of Computation, Networking, Data Analytics, Combinatorics, Linear Algebra, Calculus I & II & III, Differential Equations, Numerical Analysis.
- **Scholarships/Awards:** Four-year Full Ride Scholarship; Dean's List (5x)

Skills

- **Programming Languages:** Python (most comfortable), C++, Java, R
- **Web Technologies:** Flask, Django, HTML, CSS, JavaScript, SQL, C#.NET
- **Other:** Linux, Bash, Docker, Git, Ansible, Android Studio

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**]
- **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

Android Tech Fellow, CodePath.org

Dec 2019 – present

- Increase the largest pipeline of high-performing underrepresented engineers in tech via CodePath, a nonprofit that has raised \$2+ million from Facebook, Microsoft and Walmart, and is bringing industry level courses to 23+ universities.
- Teach a 12-week for-credit Android development course at Berea College teaching 15+ students the fundamentals of Android development through hands-on experience.

Student Software Developer, Berea College

May 2018 – present

- Developed an online student fee payment application under 4 weeks and added an extra layer of security using end-to-end encryption, saving at least 2 hours of daily work time of the staff from in-person payments
- Automated data migration process from one database to another, saving an hour of my supervisor's daily work time from manual data entrance
- Working on recreating myBerea faculty and student portal to achieve better user experience and satisfaction

Software Engineering Intern, Red Hat | IBM

May 2019 – Aug 2019

- Wrote scripts for an automated data upload to host inventory and for an automated testing of the project, reducing testing time by 75%
- Added support for RHEL 8 on the project installer using Podman, adding more options and convenience for project users
- Implemented features in Python (including unit and integration tests) and contributed them upstream in an Agile environment using bi-weekly sprints

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

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**]

Activities / Awards

- Completed 14-week-long Cyber Security course taught by CodePath and Facebook in top 3 out of over 100 students
- 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