

# Doston Toirov

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## Education

**Berea College**, Berea, KY

*Aug 2017 – Dec 2020*

- **B.A.** Computer Science **GPA:** 3.65
- **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:** 4-year Full Scholarship, Dean's List (5x)

## Skills

- **Programming Languages:** Python, C++, Java, JavaScript
- **Web Technologies:** Flask, Django, HTML, CSS, C#.NET
- **Other:** Android Studio, React Native, Linux, Bash, SQL, Docker, Git

## 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** – co-authored 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

**Technology Summer Analyst**, Morgan Stanley

*June 2020 – Aug 2020*

- Design, develop and maintain applications used by different business units
- Make system design decisions, evaluating, integrating and developing necessary software, and then test and deploy applications to production

**Technical Program Manager**, CodePath.org

*Dec 2019 – May 2020*

- Acted as an instructor for CodePath Android University bootcamp offered at Berea College
- Managed a team of TPMs to coordinate weekly roles and manage a class of 20+ students
- Taught how to develop functional and deployable Android applications resulting in 2 teams of students winning “Best Overall App” and “Best Product Idea” awards on Demo Day of CodePath.org

**Student Software Developer**, Berea College

*May 2018 – May 2020*

- Built 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
- Developed 10+ applications during 2 years of active work resulting in an improved user experience and convenience for 1600+ students and 130+ faculty
- Automated data migration process from one database to another, reducing daily operations by 1 hour

**Software Engineering Intern**, Red Hat | IBM

*May 2019 – Aug 2019*

- Developed scripts for an automated data upload to host inventory and for an automated testing of the project, reducing testing time by almost 50%
- Enhanced the project installer for RHEL 8 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**, Berea College

*Jan 2018 – Dec 2018*

- Administered quizzes and in-class teaching in Data Structures course
- Assisted two classes of 25+ students with individual and teamwork assignments during lab hours resulting in their higher grades and improved academic performance

## Projects

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

- **Beruny Academy** – co-founded one of the largest online education platforms in Uzbekistan that offers free tutorials on learning English language, web development and computer programming to over 2,000 students. More at **beruny.com**.
- **Deep Learner - RevolutionUC Hackathon** – in a team of 4 developed a desktop application used to build Artificial Neural Networks using solely GUI, without having to write a single line of code. [**Python, R, Tkinter**]
- **Color Razor - Berea Local Hack Day** – developed a desktop application under 8 hours used for face and eye detection as well as for styling pictures. [**Python, Tkinter, OpenCV, Machine Learning**]

## Activities / Awards

- Won a “Danforth Creative Award” (worth \$1,500) at Berea College in two consecutive years
- Completed 14-week-long Cyber Security course taught by CodePath.org 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)