

Dostonbek 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, Combinatorics, Linear Algebra, Calculus I & II & III, Differential Equations.
- **Scholarships/Awards:** Four-year Full Tuition Scholarship; Dean's List (4x)

Skills

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|--------------------------------|--|
| • Programming Languages | Python, JavaScript, C++, R |
| • Web Technologies | Flask, Django, HTML, CSS, ASP.NET, React.js |
| • Data/Databases | MySQL, SQL Server, PostgreSQL |
| • Other Technologies | Linux, Bash Scripting, Docker, Git, Machine Learning |
| • Languages | English (Fluent), Uzbek (Native), Russian (Conversational) |

Work Experience

Software Engineering Intern, Red Hat

May 2019 – Aug 2019

- Implement features in Python (including unit and integration tests) and contribute them upstream
- Partner closely with Quality Engineering to ensure that contributions are tested correctly
- Enhance internal tools and processes around the continuous building and testing of the project
- Work with other teams across the Red Hat portfolio

Student Software Developer, Information Systems & Services, Berea College

May 2018 – present

- Maintained and improved 6+ web applications used by faculty and students of Berea College, including online fee payment application and myBerea portal
- Extensively working on projects using ASP.NET, Visual Basics, C#, Python and SQL

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

Co-author, Computer Science Department, Berea College

May 2018 – Aug 2018

- Helped write two books “C++ for Python programmers” and “Data Structures and Algorithm with C++” which are available at the Runestone Academy
- Converted Python and Java codes to C++

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.** A web 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. Currently working in a group of three, and developing several desktop and web apps as additional to the main app. More at flowilio.com [HTML, CSS, JavaScript, Python, Tkinter, Salesforce]
- **Good Morning - DerbyHacks.** An alarm clock developed by a group of three for Android devices that utilizes the devices' built-in GPS for turn-off functionality. [C#, Unity]
- **Calorie Tracker - BereaHacks.** A web application used to keep track of one's daily calorie intake; developed by a group of 5 students. 3rd place in Berea College Hacks. [Python, Flask, PHP, HTML, CSS]

Activities / Awards

- Open source contributor to **Ansible Galaxy, Quipucords.**
- 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).
- 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.