

# Madinabonu Solijonova

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## EDUCATION

**Bachelor of Arts, Computer & Information Science**  
Berea College – Berea, Kentucky

*Expected Graduation- December 2023*

### Relevant Courses

Software Design and Implementation, Data Structures and Algorithms, Calculus I, Applied Statistics, Discrete Mathematics, Electronics and Electricity, E-Commerce, Cyber Security, Embedded Systems, Programming Languages, Theory of Computation

## SKILLS

- **Python**- including object-oriented programming, functional programming, unit testing
- **Programming Languages**- C++, Peewee, JavaScript, HTML, CSS, Bootstrap, Jinja, MySQL, Flask, Ajax
- **Developer Tools**- Visual Studio Code, Visual Studio Community, PyCharm, Git/GitHub
- **Languages**- English (fluent), Uzbek(fluent), Russian(conversational)

## PROJECTS

**CELTS Application (Python, HTML, JavaScript)** Software Development/Student Employment *June 2022 – Present*

- Collaborated with team members, as a Full Stack Developer, to complete front-end and back-end design on a web application to manage college community service and service-learning center (CELTS) administration

**Mondrian Art I, Recursion Art (C++, C-Turtle)** Data Structures & Algorithms *November 2022*

- Used a C++ extension library, C-Turtle, to successfully draw Mondrian Art

**Games of War (C++)** Data Structures & Algorithms *October 2022*

- Re-created a popular card game using stack, vector, queue, and deque, and object-oriented programming

## COMPUTER SCIENCE EXPERIENCE

**Full Stack Software Developer** *June 2022 – August 2022 (full-time), August 2022 – Present (part-time)*  
Berea College Software Development Team – Berea, Kentucky

- Develop and deploy full-stack technical solutions including a student employment hiring application and a service-learning administration application to manage processes and reduce 300+ manual office hours
- Collaborate with other student-developers in scrum meetings and agile environments using the Git version control system to develop programs using Python, Flask, and JavaScript languages
- Implement applications using the Software Development Life Cycle (SDLC) including providing ongoing support and service for applications through regular client meetings to share feedback and map improvements
- Perform test-driven development processes to improve code quality and reduce bugs by 50%

## OTHER EXPERIENCE

**Lead Developmental Math Testing Assistant (TA)** *August 2021 – December 2022*  
Berea College Mathematics Department – Berea, Kentucky

- Led 20+ Teaching Assistants to provide individual support for ~150 students in Pre-Algebra, Algebra I/II courses during classes and laboratory hours; helped students complete competency-based homework and exams

## COMMUNITY SERVICE & LEADERSHIP

**President, Berea College Asian Student Union** *August 2022 – Present*

- Lead executive officers to provide social opportunities and connection for Asian students and to enhance the diversity and cultural experience of the campus community through programs and events

**Class President, Berea College Student Government Association (SGA)** *August 2020 – May 2022*

- Represent the sophomore and junior class as an elected representative to the SGA Student Senate to create policies and allocate financial resources for student activities, events, and programs