Elizabeth Lipin

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Education:

University of Michigan, Ann Arbor, MI - 2022 - Present

Degree:
- M.S. Computer Science

Expected Graduation: May 2024
GPA: 3.70
Selected Courses: Foundations of AI, Parallel Computing, Algorithms, Machine Learning, NLP, Microarchitecture, Advanced Accessibility

Michigan State University, East Lansing, MI - 2018 - 2022

Degrees:
- B.S. Computer Science
- B.S. Psychology
  - Social Science Quantitative Data Analytics (Minor)

Graduated: May 2022 with Honors
GPA: 3.84
Selected Courses: Intro to AI, Database Systems, Big Data Analysis, Software Engineering, Web Architecture and Development

Bloomfield Hills High School, Bloomfield Hills, MI - 2014 - 2018

Graduated with Honors

Awards and Honors:

Dean's List: Fall 2018, Spring 2019, Fall 2019, Spring 2020, Spring 2021, Spring 2022

Skills:

- Programming Languages:
  - Intermediate: C, C++, Python, R, HTML, CSS
  - Beginner: C#, JavaScript, SQL/SQLite, Assembler, UML
  - Limited: Java, Xml, CShell
- Experimental Design/Statistics
- Fluent in Russian and Spanish

Experience:

University of Michigan -

Primary Instructor 2023-Present

- Instructor for an introductory Python Course
  - Taught lectures on basics of Python
  - Ran office hours, graded assignments, arranged guest lectures
  - Coordinated work with an undergraduate assistant

Class Content Creator

- Reworked material for introductory Python course
  - Updated lectures with interactive activities

- Created new final projects
- Renewed class structure to improve student learning

Michigan State University -

3D and VR Car Annotation Tool Developer Spring 2022

- Front end developer of car annotation tool for CSAA Insurance Innovation
  - Developed a 3d rotation system using combined methods of camera and vehicle rotation for synchronous and asynchronous rotation of two vehicles
  - Worked on spawning 3d objects representing annotations on the vehicles and syncing them with the annotations themselves
  - Developed saving and loading of annotations and the loading of vehicle models from the database
- Coordinated between team members and ensured completion of checkpoints

Undergraduate Learning Assistant Introductory Programming 2021-2022

- Running labs and help room to assist students learning the basics of Python

Girls Who Code Mentor Spring 2022

- Teaching middle school students the basics of Web Design using HTML and CSS

Research Assistant 2019-2022

- Ran experiment with Undergraduates and recruited external participants, aided with Python programming
- Presented experiment in University Undergraduate Research and Arts Forum

All Seasons of West Bloomfield 2019-2020

- Food Server in a Senior Independent Living Community

Making A Memory Child Engagement Program 2018-2022

- Volunteer, empowered children with play from infant to teenage years

Activities:

Member of Tau Beta Pi Engineering Honor Society 2021-Present

AI Club 2021-2022

- Learning about the basics of AI and preparing a project in image recognition

Women in Computing 2021-2022

Science Olympiad 2016-2018

- Competitor, received six awards, two in experimental design, one in virtual game design

Young Adult Fiction 2015-Present

- Creative design and primary writing of young adult fiction series, first novel currently available through Amazon