

# Farzonakhon Izatullaeva

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## EDUCATION

**The Ohio State University, Columbus, OH** *August 2024 – May 2028 (Expected)* B.S. Computer Science and Engineering

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Discrete Structures, Digital Logic, Java Programming

**Sinclair Community College, Dayton OH** (CCP College Credit Plus) *Summer 2022 – May 2024*

Relevant Coursework: Intro to Problem Solving and Computer Programming (C++), Business Writing, HTML & CSS Website Development, JavaScript, Intro to Project Management

## TECHNICAL EXPERIENCE

**Website Developer**, MMC Digital Lab, OH *August 2024 – Present*

Designed and developed responsive, user-friendly websites using **HTML5, CSS3, JavaScript, TypeScript, React.js, Node.js, and Drupal**

Created and deployed full-stack projects, including an **expense tracker, personal portfolio, e-commerce platform, and blog website**

Implemented *RESTful API integration, dynamic routing, and cross-browser compatibility* for enhanced performance and usability

Collaborated on **UI/UX** design to ensure optimal viewing across multiple screen sizes and devices

## PROJECTS

**AI Traffic Analyzer** – Developed a computer vision tool to count foot traffic and identify objects in real-time using image recognition and labeling techniques.

**Custom Large-Integer Calculator** – Built a natural number calculator using string-based arithmetic for arbitrary-length inputs.

**RSS Feed Aggregator & Reader** – Designed tools to parse, filter, and render articles from multiple RSS feeds using tree structures.

**E-Commerce Platform** – Full-stack shop with product catalog, cart functionality, and responsive design.

**Blog & Portfolio Websites** – Created personal blog with markdown support and a portfolio website showcasing projects and skills.

**Expense Tracker App** – Developed a web-based financial tracker with custom filters and goal setting using React and TypeScript.

**Tag Cloud Generator** – Built a word frequency visualizer that adjusts text size based on occurrence using Java-based data structures.

**Kindergarten Educational Website** – Designed a playful, user-friendly site for parents and children.

**+15 additional mini web projects** – Including calculators, UI components, and interactive demos using HTML/CSS/JS, React, and TypeScript.

**+10 software engineering projects** – Built in Java for coursework, including XML evaluators, custom

sorting algorithms, BST search, hash maps, and simple programming language interpreters.

## SKILLS

**Programming languages:** Java, HTML, JavaScript, MATLAB, C++, React, Node.js, TypeScript, Drupal, Excel, Word, PowerPoint, OnShape, Jira.

## LANGUAGES

Russian (Native), Uzbek (Native), English (Fluent), Turkish (Conversational), Ukrainian (Conversational)

## CERTIFICATIONS

- HTML & CSS Part 1 at Code with Mosh
- HTML & CSS Part 2 at Code with Mosh
- Ultimate JavaScript part 1: Fundamentals at Code with Mosh
- Ultimate JavaScript part 2: Advanced at Code with Mosh

## VOLUNTEERING

**Interpreter & Community Support Volunteer:** Assisted newly arrived immigrants by providing interpretation services for document translations, appointments, and everyday tasks (e.g., renting apartments, opening bank accounts, navigating healthcare systems). Supported individuals in adapting to their new environment, ensuring they understood and could access essential services.

**Math, English, Science & History Tutor:** Provided one-on-one tutoring in Math, English, Science, and History to middle school students, helping improve academic performance.

**Animal Shelter Coordinator:** Worked with a team to find homes for 21 cats, coordinating adoption efforts through online platforms and fostering connections within the community to support animal welfare.

**Social Media Ambassador(Dayton Metro Library):** Promoted library events and initiatives via social media platforms, helping increase community engagement and awareness

## AWARDS/ACHIEVEMENTS

- National Honors Society (NHS)
- Phi Theta Kappa Honors Society
- Dean's List Fall 2024
- LifeLong Learner
- Digital Art Contributor, Aerie Literary Journal
- Academic Awards and Recognitions (Received 3x years)