

KATRINA GUMEROV

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Education

University of Central Florida

Bachelor of Science in Computer Science

Dec 2026

Orlando, Florida

Experience

UCF College of Optics & Photonics

May 2025 – Present

Undergraduate Web Developer

Orlando, Florida

- Custom Plugin Development: Build **custom WordPress plugins and shortcodes** to add interactive features and streamline content management.
- Website Maintenance: Regularly update and maintain site functionality, ensuring performance, security, and compatibility.
- Responsive Design: Ensure all web pages are **mobile-friendly** and **optimized** for various screen sizes.
- UI/UX Enhancements: Improve website navigation and user experience based on design best practices.

Projects

CodeCade | *Python, Django, HTML/CSS, MongoDB, JavaScript*

- Enhanced coding education for students by **leading a development team** to create an educational platform for code visualization, improving learning outcomes.
- Streamlined the development process by designing and executing technical aspects, including **wireframing, prototyping, debugging, and beta testing**, ensuring a smooth user experience.
- Improved **project management efficiency** by structuring and enforcing timelines, ensuring on-time delivery through strategic scheduling and task prioritization.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, PHP

Software: VS Code, Eclipse, WordPress, GitHub, Windows, CodeBlocks, Figma

Frameworks: Django, Node.js

Certifications: TestOut IT Fundamentals Pro

Fluent Languages: Russian, Ukrainian

Leadership Experience

Center for Initiatives in STEM

March 2024 – Present

STEM Ambassador

University of Central Florida

- Engaged over **100** K-12 students in hands-on STEM activities by designing and leading interactive learning sessions that promote experiential education.).
- Improved student comprehension and engagement by delivering STEM presentations using the assertion-evidence approach, enhancing **knowledge retention**
- Strengthened public speaking and **leadership abilities** by presenting technical topics and organizing community outreach events focused on STEM education

Student Government Association

July 2024 – May 2025

Senate Seat Representative for the College of Engineering & Computer Science

University of Central Florida

- Increased foundation exam attempts per semester for computer science students by collaborating with the Dean's office to develop and implement a policy that ensures continued course progression.).
- Optimized allocation of a **\$510,000 yearly budget** by strategically distributing funds across fiscal quarters to support student initiatives and resources
- Enhanced the transfer student experience by introducing policies that expanded satellite campus food options and improved transparency in transfer credit evaluations.