Elena Rangelov
COMPUTER SCIENCE STUDENT

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Education

University of Maryland College Park, BS of Science   **Anticipated Fall 2025**
- Major: Computer Science, Machine Learning Track | Minors: Sustainability, Astronomy
- Coursework: Algorithms, Discrete Structures, Statistics, Artificial Intelligence, Data Science
- GPA: 3.6 – Dean's List
- President's Scholarship

Thomas Jefferson High School for Science and Technology   **May 2022**
- Major: Computer Science
- Advanced courses in Artificial Intelligence, Mobile/Web App Dev, Computer Vision, Machine Learning

Skills

- **Programming Languages:** Python, Java, C, C++, JavaScript, HTML, CSS, R, OCaml, SQL, Rust

- **Tools:** Git, GitHub, CAD, PrusaSlicer 3D Printing, Autodesk, Android Studios, Tensorflow, MATLAB, Visual Studio, Unity, Windows, Linux, Tenable, Microsoft Office, Powershell, Pytorch

- **Languages:** Fluency in English and Bulgarian, conversational fluency in French

Experience

STS Teaching Assistant | UMD College Park Scholars   **September 2023 – Present**
- Leads a section of 16 students in learning activities
- Facilitates discussions in both a small and large group session
- Mentors freshmen in the Scholars program and captains 6 other mentors

Cybersecurity Intern | Johns Hopkins Applied Physics Lab   **June 2021 – June 2022**
- Conducted internal system scans and patched machines to keep lab computers protected
- Applied machine learning knowledge in analyzing cybersecurity threats
- Managed and updated user interfaces and scan automation algorithms in Python
- Presented on findings to lab staff

Programming Instructor/Curriculum Designer | Fairfax Collegiate   **July 2020 – August 2023**
- Taught full-time classes on Python, Raspberry Pi's, Linux, Web Design, and Robotics
- Developed activities and lectures for teaching the basics of programming to varying age levels
- Created Java curriculum for public schools; created curriculum for web development classes, including instruction in HTML, CSS, JS
- Oversaw nine classes and trained 21 incoming instructors to lead lessons

Aquatic Supervisor | RecWell   **January 2023 – Current**
- Oversee 5-6 other lifeguards on shift and lead in emergency situations
- Maintain excellent customer service to pool patrons
- Conduct pool chemical tests and readings