Tadija Ciric

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EDUCATION

Trinity College   **Hartford, CT**
Bachelor of Science – Computer Science   *Expected May 2025*
- **GPA:** 3.75/4.00
- **Relevant Coursework:** Computer Security, Cloud Native Applications, Deep Learning, Algorithm Analysis, Data Structures and Algorithms

EXPERIENCE

InnSono Analytics   **Nis, Serbia**
Intern   *June 2023 – August 2023*
- Developed and implemented convolutional neural network (CNN) models to analyze sound-converted images, enhancing the AI-based system's precision in identifying faulty industrial products.
- Conducted thorough data preprocessing and collaborated with cross-functional teams to improve model performance.

Trinity College Computer Science Department   **Hartford, CT**
Teaching Assistant   *September 2022 - Present*
- Provided instructional support, grading, and assistance in lab and TA sessions for the Computer Systems and Data Structures and Algorithms courses with 15+ students.
- Assisted in mentoring and guiding students, facilitating their understanding of complex computer science concepts.

Trinity College Quantitative Center   **Hartford, CT**
Student Tutor   *February 2022 – September 2022*
- Guided students in overcoming academic challenges through easy-to-understand lessons and practice assignements.

Trinity College Residential Community   **Hartford, CT**
Residential Advisor   *August 2022 – May 2023*
- Managed residential community dynamics, resolving issues to foster a positive living environment

ACADEMIC PROJECTS

Multi-module cloud native aplication   **Hartford, CT**
Cloud Native Applications   *May 2023*
- Designed and developed a multi-module cloud-native application using microservices architecture.
- Utilized REST API calls to create interconnected services deployed on local and Google Kubernetes Engine clusters.

Smart contract security and vulnerabilities   **Hartford, CT**
Computer Security   *December 2022*
- Deployed and audited a financial transaction smart contract using Solidity on the Ethereum blockchain.
- Authored an analysis paper highlighting security aspects, vulnerabilities, and proposed solutions for smart contracts.

LEADERSHIP

Trinity College Varsity Swimming   **Hartford, CT**
Member   September 2021 – Present
- Demonstrated teamwork and discipline in balancing academics, competition, practices, and meetings
- NESCAC All-Academic award winner

Trinity College Quest Leadership Program   **Hartford, CT**
Quest Leader   *March 2022 – Present*
- Led wilderness adventures for a pre-orientation program on the Appalachian Trail, fostering community among first-year and transfer students

SKILLS, ACTIVITIES & INTERESTS

Programming Languages: Java, C, Python, JavaScript, Solidity
Technologies: Kubernetes, GKE, Docker, SQL, SpringBoot, Remix IDE, Postman, Git, TensorFlow, Pandas, Wireshark
Languages: Serbian (Native), English (Fluent), German (Intermediate)
Activities & Interests: Trinity College Chess Club Member