Luca Comba

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EDUCATION

University of St. Thomas, *St. Paul, Minnesota*   Graduation: May 2021
BACHELOR OF SCIENCE IN **COMPUTER SCIENCE** AND **APPLIED STATISTICS**   **GPA 3.65**

WORK EXPERIENCE

NISC, *Cloud & Infrastructure Development Dept.*, Sr. System Specialist, *Mandan (ND)*   *July 2021* - present
- Implemented cloud native applications on Amazon AWS using Terraform deployments, enhancing operational efficiency. Designed and implemented Vue front-end and a FastAPI and Node.js back-end, delivering robust web applications.
- Developed Python and Bash scripts to automate system management tasks, improving system reliability. Managed on-premise Linux servers and Oracle, Postgres databases for the iVUE software, supporting critical operations for hundreds of enterprises.

University of St. Thomas, *STELAR Dept.*, Web Developer, *St. Paul (MN)*   September 2020 - June 2021
- Developed a RESTful API using JavaScript. Successfully deployed an interactive map web application and a static website on Amazon AWS, attracting hundreds of visitors. Exhibited strong communication skills by effectively conveying technical concepts to professors at the University of St. Thomas.

University of St. Thomas, *Computer Science Dept.*, Web Developer, *St. Paul (MN)*   May 2020 - July 2020
- Collaborated with a team to develop both the front-end and back-end of a web-based platform, utilized by hundreds of students for code testing and automated grading.

TECHNICAL AND LANGUAGE SKILLS

- Skilled in programming with **C, Java, Python, JavaScript, Bash** and **R.**
- Experience in automating software build with **Apache Ant** and **Bamboo-Specs.**
- Proficient with **React, Vue, Node, Flask, SQL, HTML, CSS** and various frameworks.
- Competent in utilizing **AWS, Terraform, Kubernetes, Git, Subversion, MSOffice,** and **Adobe products.**
- Multilingual: native in Italian, fluent in English and a beginner in French.

PROJECTS AND RESEARCH ARTICLE

- Launched Skaffale.com, a cutting-edge Vue3 website application within a Docker container. This platform serves as a comprehensive directory for AI and Machine Learning projects and libraries. github.com/lukfd/skaffale
- Developed a Decentralized Autonomous Organization (DAO) Smart Contract user interface using React, integrated with web3.js to interact with smart contracts via Metamask. github.com/smantic-labs/website
- Published research paper: "Impacts of seasonally frozen ground on streamflow recession in the Red River of the North Basin". River Research and Applications, 38(7), 1277–1284

CLUB INVOLVEMENT AND VOLUNTEER

- Computer Science Club, Vice President, University of St. Thomas, 2020-21; Chess Club, member.
- La Puente - Homeless Shelter, Alamosa CO, 2019; "Giovani x Torino", Events Volunteer, Turin, Italy, 2015.