

Joseph Boidy

Norman, OK

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SKILLS / CERTIFICATIONS

Languages: C, C++, Java, Python, HTML/CSS, SQL

Developer Tools: VS Code, Gephi, Eclipse, Jupyter Notebook, RStudio, MobaXterm

Certifications: Undergraduate Data Science and Analytics Certificate, Google Certification of Analytics

EDUCATION

University of Oklahoma, Gallogly College of Engineering, OK

Jan 2023- December 2026

Bachelor of Science in Computer Engineering Minor in Computer science

GPA – 3.35/4.00

Relevant Coursework: Artificial intelligence, Data Structures & Algorithms, Discrete Structures, Digital design, Digital Signal and filtering, Programming Structures and Abstractions, Probability & Statistic and Random Processing

RELEVANT PROJECTS

Research Assistant, University of Oklahoma, Norman, Oklahoma

June 2024-Present

- Collaborating with Dr. Cheng Samuel in the ECE department and the Data Institute for Societal Challenges to research and analyze the spread of disinformation on YouTube.
- Utilizing the YouTube Data API to collect large datasets, including metadata, comments, and video statistics, focusing on content flagged for disinformation.
- Developing and implementing Python scripts for data scraping, cleaning, and preprocessing to facilitate further analysis.
- Analyzing patterns and trends in the data to identify common characteristics of disinformation campaigns.
- Assisting in the preparation of reports and presentations summarizing research findings for academic publications and conferences.

Multiway Search Tree (M-Tree)

October 2024

- Developed a rebuild operation for dynamic tree balancing, ensuring efficiency in large datasets.
- Applied concepts of memory management and pointer-based tree structures.
- **GitHub:** github.com/LeBoid/MTree-Project

LEADERSHIP EXPERIENCE

Student Supervisor

March 2023-Present

Residential College (Dunham/ Headington) University of Oklahoma, Norman, OKC

- **Leading Staff** – Instructing and guiding employees in the back of the kitchen to ensure that every member of staff is executing their job in an effective and efficient manner while simultaneously staying within company guidelines and regulations.
- **Quality Assurance** – Carried out routine checks on all of the restaurant's food and food storage, including inspection of all poultry, meat, produce, and dairy products and making sure all refrigerators stay within a certain temperature range in order to preserve food for as long as possible. Performed inspections on cookware and utensils for cleanliness and productivity to confirm that all food was being prepared in a quick and safe fashion.
- **Training and Development** – Developed and implemented comprehensive training programs for new hires, ensuring they quickly adapt to the workflow and standards of the kitchen. Mentored junior staff, providing guidance and support to help them excel in their roles.
- **Conflict Resolution** – Successfully mediated conflicts among staff, fostering a collaborative and positive work environment. Addressed employee concerns promptly and fairly, ensuring that any issues were resolved in a manner that maintained team cohesion and morale.

Organizations:

- Artificial Intelligence Organization at the University of Oklahoma (OUAI)
- Computer Science Student Board
- Data Science and Analytics Club