

ZANE MIKULA

mikuza32@gmail.com | (860)-949-4714 | Greenville, NC | <https://github.com/mikuza32> |
<https://www.linkedin.com/in/zane-mikula-156b22283/>

Objective

Highly motivated recent graduate with a Bachelor of Applied Science in Computing Technologies and Software Development. Proficient in Java, JavaScript, and HTML/CSS with experience using Python with various libraries. Excited to leverage academic experience and acquired technical skills to be a part of impactful and innovative projects.

Technical Skills

- Java
- IntelliJ
- JavaScript
- HTML/CSS
- Python
- Pycharm
- Spring Boot
- Node.js
- React
- Axios
- MySQL and Google Firebase
- AWS
- GitHub
- RESTful APIs
- Confluence
- Microsoft Teams

Academic Projects

Sabermetrics Web Application

- Designed, documented, and developed a web application to calculate personal and team advanced baseball statistics (Sabermetrics)
- Used Java, Spring Boot, and MySQL for backend Development
- Used React, HTML/CSS, and Axios for frontend development
- Implemented user authentication to ensure data persistence that was account-bound and site wide

College Football Data Analysis

- Developed a data collection and data manipulation script to analyze the University of Colorado's overall performance
- Installed data collection scripts to free tier AWS EC2 t2.micro instance for automated data collection weekly
- Used Python libraries in these scripts to query my personal collegefootballdata.com API
- Queried data was then organized into JSON files for each week collected
- JSON file data was then visualized into bar charts, scatter plots, and line graphs to create conclusions on overall performance

VCentials Web Application

- Active contributor and developer of a multi-semester Senior Capstone Project for VCentials (a non-profit program at Valencia College)
- Developed the web application for VCentials to streamline temperature data entry and management for VCentials buildings, freezers, and refrigerators
- Developed web application with team members using React and embedded a NoSQL Firebase for data persistence

Achievements

- Designed and developed a full-stack web application using Java, SQL, JavaScript, and HTML/CSS
- Helped collaborate in VCentials group project while developing web application and VCentials Firestore
- Proficiently used React to develop dynamic user interfaces
- Obtained hands-on experience with Spring Boot to develop RESTful APIs
- Obtained hands-on experience learning Python and various libraries to query APIs and manipulate the queried data
- Obtained hands-on experience with GitHub and Git commands while developing personal projects and VCentials projects
- Used branching in project repositories while also creating pull requests and approving pull requests with VCentials Web Development Team
- Gained experience in database management with SQL and NoSQL

Education

Valencia College

Bachelor of Applied Science in Computing Technologies and Software Development

December 2024