

SIMEON NGALAMOU

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EDUCATION

Bachelor of Science in Computer Science

Expected: May 2023

Lewis University, Romeoville, IL

- **Relevant coursework:** Software Engineering Capstone, Programming Languages, Algorithms and Data Structures, Object-Oriented Programming, Computer Organization, Operating Systems, Programming Fundamentals, Web and Distributed Programming, Introduction to Unix, File Systems Digital Forensics, Intro to Computer Science.

SUMMARY

Soon to be graduate of BSc in Computer Science graduate, I am experienced in software development and have a strong understanding of Agile and Programming principles. Throughout my college career, I explored different areas of computer science and discovered my passion for full stack development. My summer internship exposed me to new possibilities in coding, further fueling my desire to advance my career in this field. I am comfortable working in full stack, front-end, and back-end development with JavaScript and Python as my primary programming languages. My dedication to my studies resulted in being on the honor roll for three semesters and achieving recognition on the 2022 Fall Dean's list at my university. As an aspiring software developer, I am eager to utilize my problem-solving skills, passion for coding, and experience to contribute to a company's success.

SUMMARY OF TECHNICAL QUALIFICATIONS

Programming Languages: JavaScript, Java, Python, TypeScript, SQL

Frameworks: Node.js, React, Angular, Express.js,

Databases: MySQL, MongoDB

Tools and Technologies: Git, Agile Development, RESTful APIs

PROJECTS

Learning Lang: [Source Code](#)

- This is a project showcases my ability to work independently and develop code and complete a project from start to finish on my own.
- My goal for this project was a website that translates a new word of the day from English to Spanish, French, and Portuguese.
- The backend of the website is built using Node.js, while the server-side framework is developed using Express.js. MongoDB is used as the database to store the new words of the day and an API call was made to a dictionary API to fetch a new word each day
- The front-end development is created using HTML, JavaScript, CSS, and Angular Framework.
- Each language has its own dedicated page displaying the word of the day in English, the translated language, and a sentence using the word.

Password Generator: [Source Code](#)

- I worked in a team of 5 using agile methodologies, where we would switch between the roles of Product Owner, Scrum Master and developer based on the sprint. My specific role in this setup was to assist on both the front-end and the back-end
- The goal for this project was to develop a password generator that creates a unique password based on user input and time of day.
 - A feature that was really important to us was allowing the user to retrieve a password after exiting the site.

- We implemented this feature by implementing a login/signup feature and saving encrypted passwords to a database along with a key for decryption.
- The password is generated using parameters such as at least one capital letter or digit. User inputs and generated passwords are stored in MongoDB for future reference.
- The website is built using Node.js as the server-side framework to handle HTTP requests and Express.js as the web application framework.
- The Front-end development is done using HTML, CSS, and vanilla JavaScript to create an intuitive and user-friendly interface. The website is hosted on Microsoft Azure for high availability, and the project code is hosted on GitHub for collaboration and contribution.

Quality Studios: [Source Code](#)

- I worked in a team of four, using agile methodologies, and we alternated between the roles of Product Owner, Scrum Master and developer based on the sprint. My specific role in the project was to work mainly on the back-end and provide front-end assistance if necessary.
- Quality Studios is a Joliet, IL-based barbershop with and our goal for this project was to develop a website that allows to interact with the barbers and book appointments.
 - The site is designed to be responsive and includes a contact form and a “barbers” page with portfolios and booking links for each barber.
 - The website made use of multiple frameworks, including MongoDB for data storage, Node.js as the server-side framework, and Express.js for the web application framework. Front-end development is done with HTML, CSS, and vanilla JavaScript
 - The site integrates with the BooksyAPI and Google Maps API to allow users to book directly in a familiar way as well as allow them to get directions to the barbershop without leaving the site.
 - Microsoft Azure was used for hosting, and the project source code is hosted on GitHub for collaboration.

EXPERIENCE

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|---|-----------------------|
| S.U.R.E. Research Program (Lewis University) | Jun. 2020 – Aug. 2020 |
| Research Intern | Romeoville, IL |

- Collaborated with students from multiple STEM disciplines to engage in undergraduate research over a 10-week period.
- Engaged in weekly discussions on research ethics, data analysis methods, scientific writing, resume building, and other related topics.
- Coded a lane departure warning system in Python using the OpenCV framework under the supervision of Dr. Mahmood Al-Khassaweneh.
- Utilized data analysis techniques to extract useful information from images and videos.
- Presented outcomes of the research project at a research symposium and gained experience in communicating scientific findings to a wider audience.
- Strengthened my research skills, including scientific writing, data analysis, and critical thinking.

- Learned to work effectively as a part of a team, working closely with other researchers, mentors, and program coordinators.

McDonald's

Sep. 2018 – Aug. 2020

Kitchen Manager

Shorewood, IL

- Manage and lead a team of kitchen staff, including training and supervising.
- Monitoring inventory levels and ordering supplies as needed to ensure adequate stock.
- Maintaining cleanliness and organization in the kitchen area, including equipment and storage areas.
- Collaborating with other restaurant managers and staff to ensure a seamless and efficient dining experience for customers.
- Ensuring compliance with all health and safety regulations and standards.
- Conducting regular inspections of the kitchen area to identify areas for improvement and implementing necessary changes.
- Maintaining accurate records and reports related to kitchen operations, including inventory levels, food costs, and employee performance.
- Oversaw food preparation, cooking, and assembly processes to ensure quality and safety standards are met.
- Monitor inventory levels and ordering supplies as needed to ensure adequate stock.
- Maintain cleanliness and organization in the kitchen area, including equipment and storage areas.
- Collaborate with other restaurant managers and staff to ensure a seamless and efficient dining experience for customers.
- Ensure compliance with all health and safety regulations and standards.
- Conduct regular inspections of the kitchen area to identify areas for improvement and implementing necessary changes.
- Maintain accurate records and reports related to kitchen operations, including inventory levels, food costs, and employee performance.

HONORS AND AWARDS:

- DEAN'S LIST, Lewis University, Fall 2022

LANGUAGE SKILLS

- Semi-Fluent in Spanish