

# Therese Elvira Mombou Gatsing

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## EDUCATION

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### Washington and Lee University

Bachelor of Science, Computer Science Major

Cumulative GPA: 3.5/4.0

Lexington, VA

May 2027

**Relevant Courses:** Fundamentals of Programming, Data Structure, Discrete Mathematics, Calculus 2,

**Technical Skills:** Proficient in C++, Python, HTML, CSS, JavaScript, GitHub, Visual Studio, CodeBlock, Replit

**Organization:** NASA EED Mentoring Program, Rewriting the Code

## PROJECTS

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**PERSONAL WEBSITE:** <https://theresegatsing.github.io/portfolio/>

### Lead Developer

- Increased my LinkedIn profile's engagement by 20% by creating a website portfolio using HTML, JavaScript, and CSS which showcases my technical skills, background, and expertise, and adding the website to my LinkedIn profile
- Improved the accessibility of the portfolio by converting local file URIs to HTTP links to be hosted on GitHub
- Enhanced user experience while interacting with the portfolio by 50% by implementing responsive web design using CSS Media Queries configurations

**USER MANAGEMENT SYSTEM:** <https://replit.com/@tmombougatsing/USER-MANAGEMENT-SYSTEM>

### Lead Developer

- Developed a customized iteration of one of the widely adopted content management systems for managing user registrations and logins using C++
- Created a structured format to store user data by implementing robust file I/O operations to read from and write to a file
- Enhanced accessibility for users to up to 50% by offering an online demo on Replit which eliminates the need for a compiler to gain access to the system
- Ensured modularity and scalability of the system by applying object-oriented design principles

## WORK EXPERIENCE

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### Government Bilingual High School, Computer Science Club

#### President and Teacher Assistant

Dschang, Cameroon

September 2022 – May 2023

- Founded the first High School's Computer Science club aimed at increasing computer literacy of members by 30%
- Led 15+ hands-on workshops on Microsoft Office applications to enhance the proficiency of 20+ club members with the partnership of the Computer Science department
- Increased engagement rate by 40% and skill proficiency by 30% within six months by developing a learning system that allowed students to learn by completing tasks created by me
- Analyzed over 20 responses from the end-of-year survey to evaluate the club's efficiency and students' willingness to participate in the upcoming year

## ADDITIONAL

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**Languages:** Fluent in English and French.

**Certifications & Training:** Office Specialist in Microsoft Word 2019, Microsoft Excel 2019, Microsoft PowerPoint 2019

**Extracurricular Activities:** Cybersecurity club, African society, Gaming club, Storage Scholar Brand Ambassador

**Honors and Awards:** Regional Honor roll best GCE Advanced level 2023 out of 3300+ participants

**Interest:** Researching and learning new technologies, as demonstrated by the independent mastery of C++, HTML, CSS, and JavaScript