

Carla du Plessis

AI Product Development | Business Analyst | User-Centered Design
(678)-975-9580 • carla.duplessis23@gmail.com • Atlanta, GA • www.linkedin.com/in/carla-du-plessis2
Website: <https://carla.duplessis.onlineworld365.com/>

EDUCATION

Georgia Institute of Technology

Master of Science in Computer & Information Science

Concentration: Artificial Intelligence

Atlanta, Georgia

Aug 2025 – Aug 2026

GPA: 3.87

Bachelor of Science in Computer & Information Science

Concentration: People, Media, Human-Centered Research

Jan 2021 - May 2025

GPA: 3.54

SKILLS

Programming: Python, Java, C++, JavaScript (ReactJS), CSS/HTML, SQL

AI/LLMs: ML, OpenAI API, Claude API, Databricks Platform, Prompt Engineering, Model Evaluation, Explainable AI

Tools & Platforms: GitHub, Jira, Visual Studio Code, Jupyter Notebook, Microsoft Office Suite, Figma Prototyping

Relevant Skills: Artificial Intelligence, Large Language Model Analytics, Knowledge-Based AI, Project Management, Team Leadership, Human-Machine Learning, Human-Computer Interaction, UX/UI Research & Testing, Agile/Scrum

EXPERIENCE

AI-focused Computer Science graduate student with experience across LLM research, UX research/product development, and technical consulting. Skilled at translating business and user needs into technical requirements, analyzing model outputs, and using various AI tools and platforms for projects, streamlining tasks, and analyzing data

PROJECTS

Explainable Political Bias Detection Using Transformers

Aug - Dec 2025

- Modeled ideological bias in news media using supervised and unsupervised learning to detect framing differences in text
- Implemented SetFit - few-shot contrastive learning, improving class discrimination compared to SimCSE baselines
- Performed interpretability analysis highlighting linguistic and framing cues driving classifier decisions
- Evaluated model performance using precision, error analysis, and class imbalance review to improve reliability
- Managed research deliverables, analytical reports, visualizations, and team workstreams in Agile project environment

Graduate Research: LLM Evaluation for Moral Decision-Making

Jan 2026 – Present

- LLM evaluation testing how philosophical personas influence model decisions & explanations across moral scenarios
- Used OpenAI, Anthropic, & Gemini models with structured prompts & Python scripting to generate model outputs
- Analyzed AI decision-making through prompt sensitivity, alignment, consistency, and reasoning across models

CAD Files Management Web Platform | Team Lead

Aug 2023 - May 2024

- Coordinated team deliverables, UX feedback cycles, and front-end development for a collaborative engineering web tool

WORK

IT Consultant Intern | EPI-USE America Inc. | SAP & HR/Payroll

Atlanta, Georgia | Jun - Aug 2024

- Supported the UKG Workforce Management consulting team, working with UKG services and professionals
- Synthesized business requirements into actionable technical solutions & developing client-facing communication skills
- Prepared professional documentation, task planning, and reports while presenting findings to internal consulting teams
- Conducted market & competitor research on emerging workforce management, SAP, and HR technology trends

Product Development & UX Research Intern | URBTEC | Utilities.

George, South Africa | Jul - Aug 2025

- Led UX research & UI design initiative to improve product onboarding, feature discoverability, and user adoption
- Translated user feedback into product requirements, interface improvements, and simplified task flows/onboarding
- Collaborated across product & engineering to create training materials to support adoption and implementation

Head Teaching Assistant | College of Computing | Georgia Tech

Atlanta, Georgia | Aug 2025 – Present

- Evaluated student work, developed course assignments, provided structured feedback & course coordination

LEADERSHIP & ACCOMPLISHMENTS

NCAA Division I Track & Field | Georgia Tech | Scholarship Athlete

Atlanta, Georgia | 2021 – May 2025

- Built resilience, execution under pressure, & long-term consistency while completing rigorous CS coursework

Languages

English (*fluent*) | Afrikaans (*fluent*)