

PAULINA CHAMETKA

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EXPERIENCE

Senior Consultant

June 2022 – Present

Deloitte

Toronto, ON

- Built backend services for a generative AI human capital tool, supporting security testing, evaluation workflows, and production readiness.
- Led enhancements to an existing RFP management web application, including a database migration to PostgreSQL and improvements to front-end features using React and Flask.
- Developed a generative AI application for querying structured data using SQL to query a database of over 4 million entries, utilizing Gemini and RAG to improve data accessibility and decision-making.

Automation Engineer

April 2020 – August 2020

Nokia

Ottawa, ON

- Enhanced features for an AI-driven Rasa chatbot using Python to automate responses to networking-related queries, reducing the team's workload by enabling users to independently find answers to common questions.
- Developed a patch tracking tool to display upcoming patches and notify users when they become available, using HTML, CSS, Flask, and SQLAlchemy. This streamlined the update process, ensuring that users received timely notifications.

Systems Analyst

May 2019 – December 2019

Canada Revenue Agency

Ottawa, ON

- Collaborated with business stakeholders to develop requirements, documentation, test plans, and specifications, aligning with organizational resources, timelines, and goals.
- Led a team of analysts and developers through a successful Agile sprint as Scrum Master, utilizing Jira to manage and track team tasks.

Research Assistant

January 2019 – April 2019

Carleton University

Ottawa, ON

- Assisted in conducting user studies on the influence of social media content on hiring decisions, online accessibility obstacles for people with visual impairments, and adoption of digital identity services.
- Collected data from 50+ participants, performed thematic analysis, and contributed to further research on privacy and social equity.

PUBLICATIONS

Security and Privacy Perceptions of Mental Health Chatbots

August 2023

IEEE

Copenhagen, Denmark

- Led research study with 180 participants to analyze willingness to disclose and trust mental health chatbots, comparing adopters vs. non-adopters, contributing to ongoing research on AI's societal impact.
- Published paper in IEEE and presented findings at the 20th Annual International Conference on Privacy, Security, and Trust, sharing insights on the intersection of AI, mental health, and user trust.

EDUCATION

Carleton University

Ottawa, ON

Bachelor of Science in Computer Science, Management and Business

September 2017 – May 2022

- GPA: 3.85/4
- Scholarships: *Entrance Scholarship* (\$16000), *Stanley Black and Decker Academic Scholarship* (\$3000), *Tracey and Siva Ananmalay Scholarship in Computer Science* (\$1020)

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C#, SQL

Cloud Platforms: Azure (OpenAI, AI Search, Web App Service, PostgreSQL Flexible Server), AWS (Bedrock, Lambda, S3, RDS, API Gateway), GCP (App Engine, Dataproc, BigQuery, Pub/Sub)

Technologies: React, Flask, Plotly Dash, Pytest, Git, Postman, Swagger, VS Code, Jira, Confluence