

# ZAYN J. ABBAS

Software Developer

@ zaynabbas98@gmail.com

+1 613-314-6233

Guelph, ON, Canada

in Zayn-J-Abbas

zaynabbas.com

## ABOUT ME

I am a driven and aspiring Master's student currently pursuing a degree in Computer Science, with a strong focus on gaining practical industry experience in Human-Computer Interaction (HCI) and Natural Language Processing (NLP), specifically within the domain of machine translation.

## EDUCATION

Master of CS: University of Guelph  
Expected Graduation: April 2025  
Current GPA: 96

Bachelor of Computing, Specialization in Software Engineering w/ Distinction: University of Guelph  
GPA: 81.68

## SKILLS

- PythonCSQLFlutter
- FigmaJSHTMLUI/UX
- Technical Report Writing
- AdaptabilityLeadership
- AuthenticityOrganization
- Problem-Solving

## WORK EXPERIENCE

### Graduate Teaching Assistant | University of Guelph

- Sept 2023 – Dec 2023Guelph, Canada
- Lecturing and reviewing course content for the fourth-year HCI course.
  - Guiding students during labs to ensure they meet their personal and course goals.
  - Grading group proposals and projects.

### Undergraduate Teaching Assistant | University of Guelph

- Jan 2023 – Apr 2023Guelph, Canada
- Assisted Professor Stefan Kremer in creating documents related to the Software Systems Development Integration course.
  - Ran labs five times a week and graded final assignments.

### Team Lead | Gryphon's Athletic Center

- Jul 2018 – PresentGuelph, Canada
- Ensure staff and patrons have had positive experiences within the facility.
  - Responsibilities include: assisting in hiring, training staff teams, problem-solving scheduling and customer-related conflicts.

### Research Assistant | University of Guelph

- May 2021 – PresentGuelph, Canada
- Conducted research on the current state-of-the-art use of Machine Learning to detect and improve animal welfare in the Precision Livestock Farming field.
  - Co-Authoring a Systematic Literature Review.

## RELEVANT PROJECTS

### Natural Language Processing Research Project

- Sept 2022 – Apr 2023
- Implemented Meta AI's No Language Left Behind project to translate children stories from Korean to English. Evaluated these results using BLEU scoring.
  - Wrote research proposals, research reports, and presented my research to a team consisting of professors, Ph.D. students, and masters students.

### Bridging the Gap Between Natural Language Processing and Explainable Artificial Intelligence in Language-Based AI Systems

- Apr 2023 – Present
- Conducted a Literature Review to understand the current state and challenges of NLP and XAI applications.
  - Working towards conducting user studies to determine what can improve translation output.