SCOTT THOMAS ANDERSEN

Mexico City, Mexico
Email: Sthomasen7@gmail.com
www.scottthomasandersen.com

EDUCATION

Master of Science in Computer Science and Engineering — **Mexico City, Mx**
National Autonomous University of Mexico (UNAM) - GPA: 9.64/10.00 — *May 2024*
Focus area: Signals, Images, and Virtual Environments

Weather and Climate Risk and Data Analytics Graduate Certificate — **Remote**
University of Illinois Urbana-Champaign - GPA 3.89/4.00 — *Dec. 2025*

Bachelor of Science in Computer Science — **Ann Arbor, MI**
University of Michigan Ann Arbor - GPA: 3.4/4.0 — *May 2021*

SKILLS

Programming: Python, C++, C, Bash, Java, SQL/PLSQL
Scientific/ML: PyTorch, CUDA, Matlab OpenGL, Dask
Tools: Git, Google Cloud, Oracle Cloud (OCI)
Languages: Native English Speaker, Spanish Certified Fluent

EXPERIENCE

Oracle - IC3 - Senior Member of the Technical Staff - Automation Tools — **Mexico City, Mx**
June 2023 - Present

- Developed and maintained various automation tools to detect the change that causes a regression, file bugs automatically. and reduce developer workload.
- Proposed and developed a validation tool to confirm another tool's result, automating a painful part of the service process and saving to date 600+ hours of manual labor.
- Designed a system to detect statistically anomalous behavior in automation tools and report to the corresponding team to ensure integrity and efficiency in the tools execution and prevent interruptions in service.
- Collaborated in the design and development of an internal AI platform to make LLM usage accessible to my colleagues while creating a framework for the development of AI workflows.

Oracle - Intern - JDBC Test Programmer — **Mexico City, Mx**
Aug. 2022 - June 2023

- Designed and implemented a test framework for JDBC library with Oracle Cloud databases, increasing the testing capacity of our existing framework.
- Developed testing tool that manipulates connections between a program and a database to make erroneous behavior reproducible to test driver's behavior in disaster scenarios.

Language Engineering Lab (UNAM) - Research Assistant — **Mexico City, Mx**
Jan. 2022 - *Dec. 2024*
Part Time

- Collaborated on the development of natural language hate-speech datasets, scraping data, performing statistical analysis, and performing benchmarking tasks with LLMs.
- Designed and developed an online annotation tool for research assistants to annotate data, yielding a human annotated dataset that safely handled sensitive personal information, all while rigorously curating the annotation process for the validity and integrity of the surveyed data.

University of Michigan - Research Assistant - C.S. Department, Dr. Kevin Leach — **Ann Arbor, MI**
Aug. 2019 - Aug. 2021
Part Time

- Performed rigorous static analysis on binary code using tools such as Radare2 and Objdump to study C/C++ code from a low level.
- Utilized cloud computing resources to fine-tune neural networks such as BiLSTMs and YOLOV4 for various scientific projects.
- Managed a survey to measure code comprehension of assembly code supplemented with code comments from the original source code.

PUBLICATIONS

Five peer reviewed computational linguistics papers on hate speech detection and understanding in social media. Available on my website.