Daniel Chechelnitsky

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RESEARCH INTERESTS

translation technologies, machine translation, multilingual NL, dialects, user perspectives

EDUCATION

Carnegie Mellon University   Pittsburgh, PA
Doctor of Philosophy in Language and Information Technology   *Aug. 2024 – Apr. 2029*
- Advisors: Maarten Sap & Chrysoula Zerva

University of Michigan – Ann Arbor   Ann Arbor, MI
Master of Science in Computer Science and Engineering   *Aug. 2022 – Apr. 2024*
- Advisor: Nikola Banovic

Macalester College   Saint Paul, MN
Bachelor of Arts in Linguistics   *Aug. 2018 – May 2022*
- Advisor: Susan Fox

EXPERIENCE

SULI Intern   Jun. 2022 – Aug. 2022
Argonne National Laboratory   *Lemont, IL*
- Replicated AUC results from MOLI and Velodrome model papers
- Optimized hyperparameter training of MOLI using Ray tune
- Presented findings at SULI Summer Research Showcase

DSI Summer Lab Intern   Jun. 2021 – Aug. 2021
The University of Chicago - Data Science Institute   *Chicago, IL*
- Built an accessible mobile app using Flutter framework that uses deep learning models trained on Kaggle datasets to predict prostate cancer, skin cancer, and heart failure risk
- Demo-ed app and presented poster at DSI Summer Lab and Macalester College 2021 Summer Research Showcases

Software Development Intern   Nov. 2020 – Apr. 2021
GogyUp   *Minneapolis, MN*
- Designed, programmed and integrated 2 different NLP frameworks successfully into a Smart Dictionary App from spaCy Python library
- Compared 2 other implementations of text processing APIs in Python
- Presented 12 weekly Google Analytics website traffic reports at company meetings

PUBLICATIONS

Not Like Us, Hunty: Measuring Perceptions and Behavioral Effects of Minoritized Anthropomorphic Cues in LLMs
Jeffrey Basoah[*], Daniel Chechelnitsky[*], Tao Long, Katharina Reinecke, Chrysoula Zerva, Kaitlyn Zhou, Mark Díaz, Maarten Sap
FAccT, 2025

Rejected Dialects: Biases Against African American Language in Reward Models
Joel Mire[*], Zubin Trivadi Aysola[*], Daniel Chechelnitsky, Nicholas Deas, Chrysoula Zerva, Maarten Sap
NAACL (Findings), 2025

Don't Beep At Me: Using Google Maps APIs to Reduce Driving Anxiety
Daniel Chechelnitsky
Macalester College, 2022

Under Review

Empire Amplifier: Uncovering and Contesting the Prioritization of Colonial Content on Platforms Through Community-Informed Algorithmic Auditing
Nel Escher, Bakyt Yrysov, Ashley McDermott, Daniel Chechelnitsky, Hermela Benyam, Nikola Banovic
CSCW, 2026

Teaching Experience

Graduate Student Instructor
Aug. 2022 – May 2024
University of Michigan - Ann Arbor
Ann Arbor, MI
- Led two lab sections weekly for EECS 281: Data Structures and Algorithms & EECS 403: Graduate Foundations of Data Structures and Algorithms
- Held office hours, organized review sessions, and facilitated Piazza forums, graded assignments and exams

Instructional Aide
Jan. 2020 – May 2022
Macalester College
Saint Paul, MN
- Held office hours, graded assignments, and assisted in course planning across 5 semesters for Data Structures, Core Concepts in CS, Theory of Computation, Computer Systems, and Computational Linear Algebra

Honors & Awards

- CMU Portugal Dual Degree Scholarship, 2024
- Computer Science Departmental Honors, Macalester College, 2022
- cum laude, Macalester College, 2022
- ASA DataFest 2021 Challenge Best Question Asked, 2021

Press

- IBM article (Rejected Dialects)

Technical Skills

Languages: Java, Python, C++, C, SQL (SQLite/MySQL), Dart, Elixir, Swift, JavaScript, R, HTML
Other Tools: Google Cloud, PyTorch, Keras, Prolific