Luc De Nardi

Personal: denardiluc@gmail.com | CU boulder email: luc.denardi@colorado.edu | website: look-luc.github.io/luc_portfolio/

EDUCATION

University of Colorado Boulder   Boulder, CO
(CLASIC)   August 2025-May, 2027
Master of Science in Computational Linguistics
Advisor: Dr. Susan Brown

University of Delaware   Newark, DE
College of Arts and Sciences   August 2021-May, 2025
Bachelor of Arts
Major: Linguistics, Minors: Computer Science & Cognitive Science
GPA: 3.667
Dean's List: Fall 2021, Spring 2022, Fall 2022, Fall 2023, Fall 2024

RESEARCH

Spec Decoding [PI Dr. Alexis Palmer]   Boulder, CO
Research assistant   November 2025-present
- Assisting in coding for low recourse language model for either
  - knowledge distillation or trained for language modeling

French Clear Speech [PI Dr. Rebecca Scarborough]   Boulder, CO
Research student   October 2025-Present
- Checking if clear speech in nasal vowels change against casual speech
- Creating/train a model to check specific values of both nasal and oral vowels

Phonlab, University of Delaware [PI Dr. Kathryn Franich]   Newark, DE
Research assistant   February 2022-August 2022
- Assisting in coding from subject head/hand gestures video data
- Training in the structure and phases of co-speech gestures of the hands and head
- Applying coding scheme in the annotation of gestures for linguistics research
- Refining gesture coding protocols

Phonlab, Harvard University [PI Dr. Kathryn Franich]   Cambridge, MA
Paid Research Assistant   August 2022-February 2025
- Assisting looking at video data from a subject coding hand gestures & pointing task
- Training in the structure and phases of co-speech gestures of the hands and head
- Application of a coding scheme in the annotation of gestures for linguistics research
- Transcribing Cameroonian English
- Translate Consent From from English to French

The UD Perception and Language Lab [PI Dr. Alon Hafri]   Newark, DE
Undergraduate Research Assistant   September 2022-May 2023, February 2024-May 2024
- Inaugural member
- Researched whether words that encode abstract conceptual distinctions share sound patterns across languages
  - Telic vs Atelic verbs with association with/without Plosives within
  - Created Python code to parse a selection of words with or without plosives
- Object symmetry perception with visual and auditory stimuli
  - Help complete pilot code to perform initial experiments
  - github, word association, study

UD Experimental Syntax Lab [PI Dr. Rebecca Tollan]   Newark, DE
Undergraduate Research Assistant   February 2023-May 2023
- Assistant programmer in priming test code for participants on the processing of ellipsis in English

Publications
K H Manodnya, De Nardi Luc. (2026). Rethinking Polarity Detection: When BPE Fails Across Scripts   Boulder, CO

Co-author   January 2026
- Accepted at AbjadNLP and EACL 2026 conference
- Accepted at EACL 2026 workshop LoResLM
- Python ML packages
- Presented at EACL conference in Rabat Morocco

Work Experience
SAFAL Conference [PI Dr. Bhuvana Narasimhan]   Boulder, CO
Paid technical student organizer   September 2025-November 2025
- Worked on updating website
- Aid during conference and facilitating Zoom and asynchronous presentation

ACTIVITIES AND INTERESTS
Boulder Music Ensemble   Boulder, CO
Member   August 2025-present
- Campus Orchestra (French horn)
- Boulder Samba Group/Bateria Alegria (1ˢᵗ Surdo)

University of Delaware Music Ensembles   Newark, DE
Member   August 2021-2025
- Collegiate Band (French horn)
- 8-Bit orchestra (French horn, Electric bass, Concertina, Conductor, mandolin)
- Marching band (Mellophone)
- Steel Drum Band (6 bass and 4 cello)
- F Horn Ensemble

Música Latina Registered Student Organization   Newark, DE
president/founder   October 2023-September 2024
- Bass player
- Arranger

Sean's House Peer24 Program   Newark, DE
Peer-Specialist volunteer   July 2024-May 2025
- Certified to support fellow students (ages 14-24) in need

Interests
- Traveling and experiencing new cultures
- Learning languages
- Programming and circuit boarding
- Cooking

Skills
- Broad research experience
- Proficient in Microsoft Office suite and Mac's equivalent options
- Proficient in Java, Python, and Elan (video annotation software)
- Novice in Javascript/TypeScript, C/C++, Terminal (VIM), Praat, Git (Github & Gitlab), LaTeX and PCIbex
- Novice in SQL (Oracle SQLDeveloper)
- Knowledge of software development process
- Native speaker of English, fluent in French, intermediate level in Spanish, and novice in Arabic
- Proficient in music composition (MuseScore) and sound editing softwares (GarageBand)
- Proficient in Blender (3D model) and some knowledge in Fusion 360 (CAD design)
- Hard working, organized, able to work independently or as part of a team, attention to detail, dependable, good oral and written communication skills

REFERENCES
- Dr. Alon Hafri, University of Delaware, alon@udel.edu
- Dr. Rebecca Tollan, University of Delaware, rtollan@udel.edu
- Dr. Kathryn Franich, Harvard University, kfranich@fas.harvard.edu