

Tim Mahrt

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EDUCATION

University of Illinois, Urbana-Champaign, Illinois, USA

- Masters in Linguistics Jun 2008 – Aug 2011
 - Cumulative GPA: 3.59 / 4.0
- B.S. in Computer Science Aug 2005 – Aug 2007
 - Cumulative GPA: 3.53 / 4.0

Parkland College, Champaign, Illinois, USA

- Certificate in Teaching English as a Foreign Language (TEFL) Jan 2005 – Aug 2007
 - Certificate GPA: 4.0 / 4.0

EMPLOYMENT HISTORY

Laboratoire Parole et Langage, Aix-Marseille Université, Aix-en-Provence, France

- Research Assistant Oct 2015 – Sep 2017
- Designed the protocol for building a large speech corpus including writing read-speech transcripts and open-ended interview questions to fit project criteria.
 - Developed a computer-assisted transcription and feature-extraction workflow. Python, Praat, SPPAS.

University of Illinois Urbana-Champaign, Urbana, Illinois, USA

- Research Assistant Aug 2013 – Oct 2015
- Wrote web-crawlers for extracting text from forums. Python.
 - Wrote an interactive vocal pitch visualizer. Python, OpenGL.
 - Assisted in the development of a prototype Arabic-to-English automatic translation system. Python, NLTK, Weka.

University of Illinois Urbana-Champaign, Urbana, Illinois, USA

- Lecturer Jan 2012 – May 2013
- Ling 210 - Introduction to Historical Linguistics
 - Ling 406 - Introduction to Computational Linguistics

HBM SoMat, Urbana, Illinois, USA

- Software Engineer May 2006 – Sep 2009
- Architected the company's next-generation software used in hardware testing. Python, Postgres, SQL, wxWidgets.
 - Ported the main software product from Visual Studio to gcc. C.
 - Automated the software release process for the company's main software product for clients. Make.
 - Ported the company data from Microsoft Access to Postgres. Python, SQL.

PROJECTS

Github page: <https://github.com/timmahrt>

- **LMEDS** (2013 - 2017)
Software for creating and running speech perception experiments over the internet. Python, Javascript, HTML/CSS.
- **PraatIO** (2014 - 2017)
Library for working with transcribed audio (extracting acoustic features, performing acoustic manipulations, querying the transcripts, etc). Python.
- **Pysle** (2014 - 2017)
Interface to an English pronunciation dictionary. Syllabifies phone-aligned speech transcripts. Python.
- **ProMo** (2013 - 2017)
Library for specifying pitch and duration manipulations in speech resynthesis. Python.

SKILLS

Python (10+ years), Javascript (2 years), C/C++, SQL, HTML/CSS, OpenGL, R, Matlab, NLTK, Weka, Wordnet

LANGUAGES

English (Native), French (Conversational), Japanese (Beginner), Arabic (Beginner)