

ACADEMIC INTERESTS

- Speech technology for endangered languages
- Automatic Speech Recognition
- Language revitalization

Passionate about speech and mobile technology that improves lives.

ACADEMIC QUALIFICATIONS

Top End Language Lab - Darwin, Australia 2025 -
Charles Darwin University, Supervisor: Dr. Steven Bird
PhD. Language Technology

TECH SKILLS

Flutter
Android
Kotlin
Java
Python
Firebase

University of Washington - Seattle, WA 2022 - 2024
M.S. Computational Linguistics

Sichuan University - Chengdu, China 2014 - 2016
M.S. Computer Science, non-thesis

Purdue University - West Lafayette, IN 2009 - 2013
B.S. Electrical Engineering
Minor in Chinese Language

PERSONAL SKILLS

Innovative
Passionate
Team Collaboration
Forward Thinking

PUBLICATIONS

Fine-Tuning ASR models for August 2024
Very Low-Resource Languages: A Study on Mvskoke
Association for Computational Linguistics.

LANGUAGES

English - Native Speaker
(US Citizen)
Mandarin Chinese - Fluent
(HSK Level 5)
Thai - Learner
Muscogee - Learner

Technology and Language Revitalization: March 2024
A Roadmap for the Mvskoke Language
ComputEL Workshop. Association for Computational Linguistics.

WORK EXPERIENCE

Nativeware Solutions Oct 2018 - Present
Mobile App Developer

JDM Solutions - Orlando, FL May 2021 - May 2022
Lead Developer

JFMP - Orlando, FL Oct 2019 - Oct 2021
Android App Developer

Compass - Chengdu, China Sep 2015 - Oct 2018

SAMPLE WORK PRODUCT

github.com/jmainzy

WEBSITE

jmainzy.github.io

LEADERSHIP AND VOLUNTEER AFFILIATIONS**CONTACT**

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Wikitongues Language Revitalization Accelerator
Sisterhood of Native American Coders
Native American Women in Computing (NAWiC)
Advancing Indigenous People in STEM (AISES)