

**ACADEMIC INTERESTS**

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

*Passionate about multilingual software tools that improve lives.*

**ACADEMIC QUALIFICATIONS**

**University of Washington** - Seattle, WA 2022 - Present  
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

**TECH SKILLS**

Flutter  
Android  
Kotlin  
Java  
Python  
Firebase

**PUBLICATIONS**

[Technology and Language Revitalization: A Roadmap for the Mvskoke Language](#) March 2024  
*ComputEL Workshop. Association for Computational Linguistics.*

**PERSONAL SKILLS**

Innovative  
Passionate  
Team Collaboration  
Forward Thinking

**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  
Product Owner, Developer

**LANGUAGES**

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

*Proud citizen of the  
Muscogee Creek Nation*

**LEADERSHIP AND VOLUNTEER EXPERIENCE**

*Wikitongues Language Revitalization Accelerator*  
Recipient of 2022 grant for developing Muscogee language education tools

*Sisterhood of Native American Coders*  
Mentored young Native woman interested in STEM for 2021-2022 school year

*Native American Women in Computing (NAWiC)*  
Attended 2020 Grace Hopper Conference as a member  
*American Indian Science and Engineering Society (AISES)*  
Member since 2021

**SAMPLE WORK PRODUCT**

[github.com/jmainzy](https://github.com/jmainzy)

**WEBSITE**

[jmainzy.github.io](https://jmainzy.github.io)

**CONTACT**

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