Michael Prokopchuk

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Work Experience

Skritter (Inkren, Inc.), San Francisco, CA (remote)
Senior Software Developer, January 2023 - present.
Software Developer, March 2016 – January 2023.
Developed language learning software for Chinese and Japanese. Created systems for text-to-speech audio synthesis based across a corpus of over a million words and sentences. Created system for graphically creating and editing Chinese and Japanese characters. Created WebGL realtime rendering system for writing input with 60 FPS performance on mobile devices.

20-20 Technologies Commercial, Grand Rapids, MI
Software Developer, May 2012 – March 2016.
Developed consumer-facing, configurable, data-driven applications for web and mobile. Architected features and worked with vendors to customize core functionality. Created company style standards for frontend web development.

Personal Projects

Zhongvert
A website for intelligently converting between simplified and traditional Chinese based on the internal construction of CJK character components.

hanzi-decomp
https://github.com/prokopcm/hanzi-decomp
A modern TypeScript library for decomposing CJK characters into their components.

Competencies

- TypeScript, JavaScript (Node.js, Express, Vue, React), CSS, HTML
- Python (Django), Go (Gin)
- SQL (Postgres), MongoDB
- Google Cloud Platform

Formal Education

M.S. Computer Science, emphasis in Interactive Intelligence
Georgia Institute of Technology, Atlanta, GA.
Expected graduation 2026.

B.A. Film and Video, emphasis in Animation and New Media
Minors in Computer Science, Russian Studies.
Grand Valley State University, Allendale, MI.
Cum Laude, Honors College. Awarded December 2011.

Continuing Education, Certifications, and Activities

Fundamentals of Networking Engineering, Udemy
Awarded March 2023.

Introductory Linear Algebra, EdX (Georgia Tech X)
Awarded January 2023.

Japanese Language Proficiency Test, level N5
Awarded January 2023.

Chinese II, Japanese IV, Japanese V, University of Wisconsin-Milwaukee
Milwaukee, WI. 2016-2017.

Mandarin Language Classes, National Taiwan Normal University MTC
國語課程臺灣師範大學國語教學中心
Taipei, Taiwan. 2016.

Programming Languages (CS 262), Udacity
Online, 2014.

Teaching Assistant, 3D Computer Animation (CFV 324), Grand Valley State University
Winter 2010.

Personal Interests

- Linguistics (computational linguistics, orthography, second language acquisition).
- Classically trained violinist and violist.

References available upon request.