

Michael Prokopchuk

prokopcm.github.io

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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 system 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 to meet client requirements. Designed graphics and UI elements. Created company style standards for web development.

Personal Projects

hanzi-decomp

<https://github.com/prokopcm/hanzi-decomp>

A modern TypeScript library for decomposing CJK characters into their components.

Competencies

- JavaScript (Node.js, Vue, React), TypeScript
- CSS, HTML
- Python (Django, Flask, NLTK)
- SQL, MongoDB
- Adobe Photoshop, Illustrator, Premiere, After Effects, Flash

Formal Education

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.

Certifications and Continuing Education

University of Wisconsin-Milwaukee

Chinese II, Japanese IV, Japanese V. 2016-2017.

Mandarin Language Classes, National Taiwan Normal University MTC

臺灣師範大學國語教學中心

Taipei, Taiwan. 2016.

Personal Interests

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

References, portfolio work, and/or sample code available upon request.