STANLEY H. SAKAI

web & iOS developer · realtime stenographer · linguist

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HELLO

Hi! I'm Stanley.

I am a programmer, a polyglot, and a real-time stenographer. The intersection of technology, language, and communication fuels my fire.

OVERVIEW

An exceptionally driven, quick-learning software developer with impeccable communication skills and an international mindset seeking a role in a dynamic, nurturing, can-do environment.

EDUCATION

UNIVERSITY OF WASHINGTON
Seattle, WA
Bachelor of Arts, Linguistics

FLATIRON SCHOOL
New York, NY (Online)
Introduction to Swift & iOS

EXPERIENCE

ALOFT
Founder, Full-Stack Developer
October 2015 - Present

Continually advocate for deaf and hard-of-hearing users by iterating on product features based on their actual feedback.
Develop, design, and maintain a custom cloud-based live-transcription delivery system from conception to launch for use by real-time stenographers providing accessibility.
Test, refactor core code, and write optimized dependencies as efficiency and technical requirements evolve.

SRCCON
Full-Stack Developer, Transcription & Accessibility Lead
Annually: 2015, 2016, 2017, 2018

Managed a diverse collaborative team of realtime stenographers, technical and non-technical organizers as captioning and accessibility lead.
Measurably improved accessibility and attendee engagement, satisfaction, and realtime collaboration by implementing a custom automated transcript repository system.

Designed and implemented REST endpoints at which conference website and Slackbots could access transcriptions instantly.
Improved usability for cross-platform stenographers by reverse engineering locally fired TCP events by court reporting software into an Electron app that communicates with ShareDB, Aloft's back-end event propagator.

CHAMPION STENO
Full-Stack Developer
October 2018 - Present

Significantly improve business perception, student satisfaction, and teacher productivity by designing and implementing custom teaching tooling.
Acted as tech lead and collaborated with CEO and designer to brainstorm possibilities and future outcomes.

(HUMAN) LANGUAGES

ENGLISH	*Full Native Proficiency*
SPANISH	*Advanced, fully bilingual proficiency*
KOREAN	*Bilingual conversational proficiency*
DUTCH	*Basic conversational proficiency*
JAPANESE	*Basic conversational proficiency*
ASL	*Basic conversational proficiency*
FRENCH	*Intermediate student proficiency*

SKILLS

BACK-END JS
Designing, deploying, and managing Express backends.
Deploying Node backends with worker processes.
Interfacing with MongoDB data stores.
Interfacing with Firebase Firestore and Realtime Database.

FRONT-END JS
Creating aesthetic and performant frontends with React, Redux, and Pug.
Bundling assets and dependencies via Webpack.
Managing state of multiple components via Redux.

NATIVE
Building, testing, and managing React Native apps.
Building cross-platform desktop apps via Electron.
Foundational knowledge of Swift iOS app design, production, and build practices.

GENERAL WEB
Writing clear and portable ECMAScript 6, HTML5, CSS3, and SASS.
Employing block-element-modifier structure methodology.
Managing packages via Npm and Yarn.
Creating responsive web layouts.
Employing test-driven design strategies to ensure clean iterations.

MACHINE STENOGRAPHY
Transcribing spoken English and Spanish in real time via machine shorthand at speeds of up to 260 WPM and 120 WPM respectively with a minimum of 99% accuracy.

PROJECTS & CONTRIBUTIONS

OPEN STENO PROJECT
Developed a Python plugin enabling Wi-Fi connectivity for users of the Stenograph Luminex steno writer.

MONTHLY MUSIC HACKATHON
Experimented with and implemented various ways of improving musical accessibility for the deaf and hard of hearing by harnessing simultaneous display of realtime frequency response graphs and spectrograms with live captioning.

LOMOJI
Designed a React Native mobile app to allow learners of multiple languages to quickly view a word or phrase translated into all their target languages at a glance.