Ken Fehling

Web and mobile app developer from the NY metro area

kenfehling.com
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EDUCATION

Stony Brook University — *B.S. Computer Science*

MINORS: DIGITAL ART, MUSIC TECHNOLOGY

Stony Brook Game Developers - Secretary

Women in Computer Science - Webmaster

EMPLOYMENT

TLT Media Lab — *Stony Brook University*

APRIL 2015 - PRESENT

Designing and developing web-based software systems for faculty and staff with feedback from stakeholders.

Helped improved lab operations by promoting tools like Git, Trello, Webpack, Browserify, Gulp to the team.

PERSONAL PROJECTS

Android — *androidideas.org*

Video Toolbox - rotate, resize, trim, flip, and convert videos

Color Sounds - generative music using camera input, color detection

TaskBomb - task scheduler for automating apps and scripts to run

HTML 5

Math Blocks - educational game teaching problem solving skills

Drum Circle - collaborative drum machine with real-time interaction

OPEN SOURCE LIBRARIES PUBLISHED

react-router-nested-history

facilitates nested tab/window history with back-button enhancement

react-designable-audio-player

audio player library for React that lets you use your own UI component

AREAS OF SPECIALIZATION

Front-end web development
Mobile app development
Back-end web development

COURSES COMPLETED

CSE 308 - Software Engineering
CSE 336 - Web Development
CSE 392 - Mobile Apps
CSE 333 - UI Design
CSE 305 - Databases
CSE 323 - HCI
CSE 310 - Computer Networks
CSE 373 - Algorithms
CSE 219 - OOP Design
CSE 214 - Data Structures

MAIN LANGUAGES

JavaScript, TypeScript, HTML, CSS, Python, Java, Swift, SQL, ActionScript, Ruby, Clojure

FRAMEWORKS, LIBRARIES, ETC.

React, Node.js, React Native, jQuery, Express, Webpack, Browserify, Gulp, Grunt, Babel, SASS, MongoDB, Firebase, AWS

DEVELOPMENT PRACTICES

test-driven development, functional programming, dependency injection