Todd Jollo toddjollopdx@gmail.com

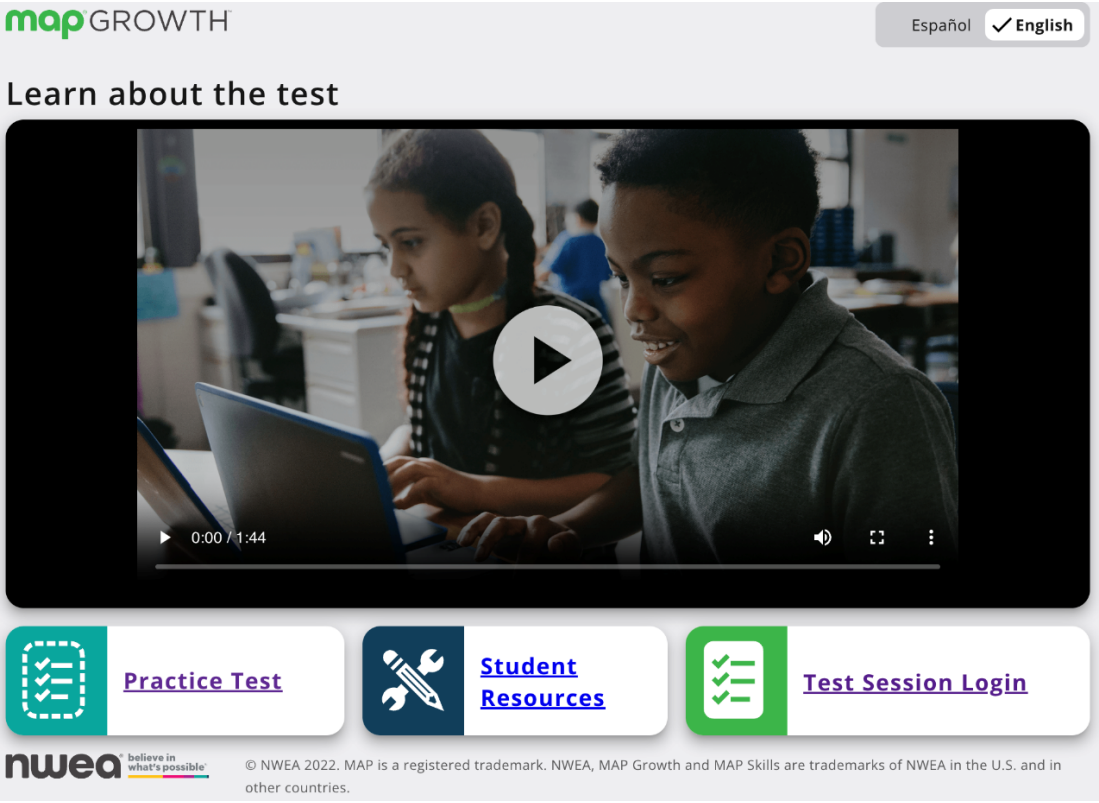
Project: NWEA MAP Student assessment application, AngularJS to React modernization

Year: 2021- 2023, Placed on hold during acquisition of NWEA by HMH

Job Title: Software Engineer

Work Performed:
- The original AngularJS student application was being converted to a modern ReactJS application.
- I developed ReactJS components and responsive interfaces for the national NWEA MAP Student Testing Application.
- I used Design System components and specifications to create the application UI, ensuring it met modern accessibility requirements.
- As a Certified Scrum Master, I led agile ceremonies, promoted agile processes, and improved software development methodologies within the Engineering Item Experience team.
- I collaborated with accessibility team members and UX designers to develop the student application and tested the UI for compliance using JAWS and macOS accessibility tools.

Technology Stack:
Typescript, Typescript JSX, JavaScript, ReactJS, CSS Modules, Web Components, Ava/Jest (Unit Testing), Cypress (Functional Testing), Jenkins, Git, Figma



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Project: NWEA Measures of Academic Progress (MAP) Student assessment application

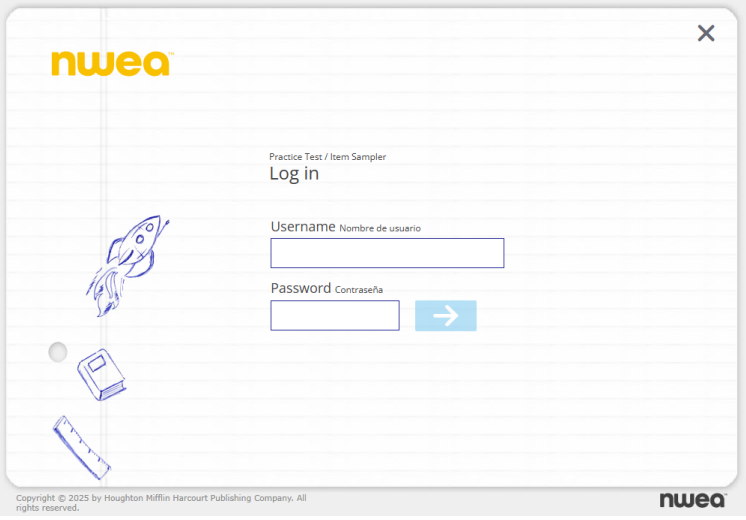
Year: AngularJS Application Creation – 2013-2014

Job Title: Multimedia Developer

Work Performed:
- One of the first NWEA engineering team members transitioning to modern web application development, I helped create the first AngularJS 1 application for thousands of concurrent NWEA student users.
- I worked to match the graphical user experience of the MAP testing CD-based application.
- Using AngularJS 1, I created partials, AngularJS code (Model-View-Controller), and LESS CSS.
- I collaborated with accessibility stakeholders to incorporate best practices for accessibility at the time, and designed the UX and interaction patterns for the MAP accessibility toolbar, defining how assistive tools look, behave, and integrate into the testing experience.
- I redesigned the speech stream audio experience for MAP student testing, improving usability, clarity, and learner control during assessments.
- Converted thousands of Flash interactive test questions into interactive HTML, JS, and CSS.
- I also worked with designers to update graphics for the new Angular application, replacing outdated Java Rich Faces system alerts.
- Coordinated with product representatives for beta testing and the final production release.

Technology Stack:
AngularJS 1, CSS Preprocessor LESS, Jasmin/Chia (Unit testing), Protractor Functional testing, Jenkins Build Pipelines, Git, Grunt, Bower, Yeoman (front-end trifecta), Photoshop, Illustrator, JAWS

URL (Public URL): Test Player https://practice.mapnwea.org/#/practice-landing



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Project: NWEA Design System

Year: Design System Project – 2016-2020

Job Title: UX/UI Developer

Work Performed:
-The NWEA Design System served as a guide specifically for software application products developed by NWEA engineering teams.
- As one of the founding engineering members of the NWEA Engineering User Experience team, I helped write the initial UX Charter for NWEA.
- I coordinated the three core teams involved with NWEA's Design System: Accessibility, Design, and Engineering.
- As Scrum Master for the NWEA Design System, I helped track the agile work.
- I developed and deployed the ReactJS website, integrating Sketch design documents and incorporating the functioning web components.
- I developed Design System web components that met WCAG compliance for Section 508, with a specific focus on foundational CSS components and buttons.
- I developed and implemented the Node Design System library, which was integrated into engineering builds using NPM installs.
- I provided technical assistance to teams implementing the Design System via NPM.

Technology Stack:
ReactJS, CSS Modules, Web Components, Storybook, InDesign, Sketch, Illustrator, Jenkins, Git