

LANCE
HUDDLESTON II
SOFTWARE
DEVELOPMENT
ENGINEER IN TEST

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🐙 lhuddleston

Professional in IT, providing experience in quality assurance, software development, and excellent customer service. Looking to acquire a full-time position in web development/software development industry.

Skills

FRONT-END

JavaScript (ES6)
Bootstrap
HTML
CSS
SCSS
Web Components
Polymer
AJAX
React.js

BACK-END

Node.js
npm
Python
Express
MongoDB
Mongoose

TESTING

Applitools
NightwatchJS
Mocha
Chai
Sauce Labs
Behave
Storybook
Jest

TOOLING

Git
GitHub
JIRA
Confluence
Microsoft Office Suite
VS Code
SumoLogic

SOFT SKILLS

Public Speaking
Creativity
Communication
Adaptability
Critical Thinking
Collaboration with others
Strong Willingness to Learn
Project leadership

METHODOLOGIES

DOM Manipulation
Version Control
Agile Development/SCRUM
Shell Scripting
Object-Oriented Programming
Functional Programming
BDD
TDD

Employment

USA Today

Associate Software Development Engineer in Test

McLean, VA

Feb. 2019 to Current

- Operating within a Kanban workflow to complete quarterly automation initiatives for three consumer-facing USA Today Network applications
- Working closely with management to identify gaps in automation and create coverage via test automation with Selenium WebDriver and Python Behave
- Exhibiting project leadership with our automation efforts for three key in-house applications that handle newsletter management, account management, and subscription services. Work includes maintenance, refactoring, and removal of old test cases, the addition of API testing for our email management system and enhanced documentation for visibility.
- Creating an end-to-end automation test suite for a redesigned account management beta experience

USA Today

Software Development Engineer in Test Intern

McLean, VA

Aug. 2018 to Jan. 2019

- Utilizing the NightwatchJS framework as well as Applitools, delivered visual and functional tests for USATODAY.com. Work also included projects related to a proprietary automated video player and mid-term elections. Delivered valuable feedback to developers and designers while reducing the amount of manual testing.
- Led a proof of concept effort for USA TODAY that will allow us to leverage existing Web Component Tests, producing visual tests within Applitools. Worked with management and the project team to evaluate the framework, assess feasibility and promote and educate the entire department about its potential value.
- Inspecting over 200 visual test results daily using Applitools and detecting bugs in USA TODAY's mobile sites. Numerous defects were identified and resolved after feedback was delivered to the project team.
- Collaborated with infrastructure team to build the Quality Visualization Dashboard, a SumoLogic dashboard that visualizes automated test data. Assisted in designing and building Jenkins pipeline, integration testing, the design, creation and linkage of dashboards, and review and feedback of the Test Aggregator API.
- Operating within an Agile workflow to complete tasks in a two-week sprint cycle, taking part in daily stand-ups, grooming before sprints and retrospective afterward to discuss what was accomplished.

Web Development Experience

Task Manager API

July 2019 to Aug. 2019

- Created an API using Node.js and Express that works in tandem with a MongoDB Database to create, read, update, and delete users and tasks assigned to users
- Implemented JWT authentication for users and email alerting upon account creation with the SendGrid API
- Wrote a robust unit test suite consisting of 24 tests across the Users and Tasks routes
- Technologies used: Node.js, Express, Mongoose, MongoDB, Jest, SendGrid API
- View repository here: <https://github.com/lhuddleston/task-manager-api>

React Drum Machine

Dec. 2018 to Jan. 2019

- Created a virtual drum machine with nine pads, two sound banks, and volume controls to simulate a real one.
- Utilized SCSS nesting to organize CSS code in a tree-like structure, and sectioned it by component. Implemented variables and mixins to make the code more concise and readable.
- Demonstrated solid understanding of React's lifecycle methods, state setting, and props through passing information between child and parent components.
- Technologies used: HTML5, SCSS, CSS Grid, JavaScript (ES6), React, npm.
- View repository here: <https://github.com/lhuddleston/react-drum-machine>

Anime Quote Generator

Jan. 2019 to Jan. 2019

- Created a web application that displays random quotes from anime characters, along with dynamic style changes to represent them.
- Utilized SCSS loops, conditionals, variables, and lists to create dynamic classes and styling while promoting code readability and simplicity.
- Used Math.floor method to randomize quotes seen by the user
- Technologies used: HTML5, SCSS, CSS Grid, JavaScript (ES6), React.js, npm.
- View repository here: <https://github.com/lhuddleston/anime-quote-machine>

Project Portfolio Site

July 2019 to Aug. 2019

- Wireframed and iterated upon designs in Adobe XD, whilst being mindful of consistent typography and letter spacing, web accessibility standards (AA Compliance), and meaningful content. Designed both desktop and mobile variants.
- Created back-end service for handling form submissions - being handled through the SendGrid service for inquiries on freelance, part-time and fulltime projects.
- Created front-end with React and Sass, integrating React Hooks for simpler and less verbose components, as well as utilizing BEM structure for Sass. Utilized CSS Grid and Flexbox for content formatting. Ensured responsive design across mobile, desktop, and tablet devices.
- Technologies used: React, Sass, JavaScript (ES6), Node.js, Express, SendGrid

Education

Year Up

Mar. 2018 to Current

• Participating in leading national career development program that prepares students for roles in IT support, software development and testing; program includes college-level coursework, career training, and a 6-month corporate internship.

• Earned credits through the American Council on Education's College Credit Recommendation Services; coursework focuses on track-specific content (such as computer hardware, quality assurance, project management, or software development), along with Microsoft Office applications, advanced Excel, business writing, and public speaking.

Free Code Camp

Jan. 2018 to Current

• Free Code Camp is an online full stack web development program. Beginning with tutorials that introduce students to HTML, CSS and JavaScript, students progress to project assignments that they must complete either alone or in pairs. Upon completion of all project tasks, students are partnered with other nonprofits to build web applications, giving the students practical development experience.

• Earned Responsive Web Design Developer and JavaScript Data Structures and Algorithms Certifications, working towards Front-End Libraries Certification

• Built 12 projects and completed 644 coding challenges.

• Responsive Web Design Certification: <https://www.freecodecamp.org/certification/nomadfox/responsive-web-design>

• JavaScript Data Structures and Algorithms Certification: <https://www.freecodecamp.org/certification/nomadfox/javascript-algorithms-and-data-structures>