Christian Kastner

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A full stack software developer with a background in both the arts and sciences and a passion for creativity. With experience in Ruby on Rails, JavaScript, and React as well as a background in Mathematics, I discovered web development through a love for building things and the applications of machine learning. I have a deep excitement for new technologies and a humanistic approach to tech that helps me create with the user in mind.

TECHNICAL PROJECTS

Virtual Canvas - Github: [Frontend](#) & [Backend](#) | [Demo](#)
Allows remote musical and visual artists to share a canvas and collaboratively build an audio visualizer that renders in real time
+ Created a Rails backend to persist endpoints for users, canvases, animation objects, and users' bookmarked canvases
+ Deployed web socketing using ActionCable to render JS animation events on the screens of other users
+ Styled app using Material UI for a clean and professional user interface
+ Integrated two animation libraries facilitating multiple kinds of user experiences using custom written JavaScript classes

Kangaroo Hangout - Github: [Frontend](#) & [Backend](#) | [Demo](#)
Curious about what's nearby? An app for chaining places together to coordinate group events and activities for the future
+ Deployed Ruby Class methods to query the Google Places API for nearby activities
+ Used React and Semantic UI to create a clean and interactive app where it's easy for users to find new activities
+ Generated endpoints that allow for users to invite others to participate in group planning by creating accounts and RSVPing
+ Stored JWT tokens for full user authentication and safe REST API queries in Rails

Beat Poems - Github: [Frontend](#)
Generates user-customizable poems where nouns, verbs, or adjectives are replaced and read aloud
+ Configured a custom Webpack bundler to preload ES6 with Babel and SASS into regular CSS
+ Used Adobe Illustrator and SVG to create animation synced to outputted audio
+ Recursively chained together Javascript callback functions to have poems read aloud in a beat-poet "bongo-fied" way
+ Created a Vanilla JavaScript frontend that takes in poem inputs and applies Rita.js and Responsive Voice libraries to them

TECHNICAL SKILLS

JavaScript, React, Redux, Ruby, Rails, Node, JWT, Webpack, ActionCable, HTML5, CSS3, SASS, MySQL, PostgresSQL, Heroku, Adobe Illustrator, Adobe XD, R, Python, Scikit-Learn, Pandas, Java

EMPLOYMENT HISTORY

Freelance **Remote**
Contracted Software and Web Developer *October 2018 - Present*
+ Developed a Wordpress website and established a patient portal for a family run acupuncture business
+ Used Firebase Cloud Storage to develop a web app for marking up tabular data and visualizing it in D3.js
+ Implemented a UI designer wireframe and mockup in HTML, CSS, and React

University of California: Los Angeles **Los Angeles, California**
Logic Teaching Assistant *September 2013 - June 2015*
+ Responsible for one-on-one instruction in logic course materials for a class of over 100 students
+ Held weekly office hours for students to drop-in and ask questions, as well as proctor all exams for the course
+ Required to give professional instruction and understand the nuances of deductive logic to be effective in the role

EDUCATION

Flatiron School **Seattle, Washington**
Full Stack Software Engineering Program *January 2020*

University of Glasgow **Glasgow, Scotland**
+ MSc: Psychological Science *October 2019*
+ Earned first marks for dissertation on the effect emotions have on ratings of moral disgust using a Multi-Level Model
+ Co-authored scholarship on the lived experience of professors in the aftermath of student suicide, publication ongoing

University of California: Los Angeles **Los Angeles, California**
+ Bachelor of Science in Mathematics and Bachelor of Arts in Philosophy *December 2015*
+ One course in Object Oriented Programming with C++
+ Two courses in Applied Numerical Methods where mathematics problems were solved using computer processing