

Augusto Corvalan

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<https://github.com/augustocorvalan>

EXPERIENCE

Participant, Recurse Center — *Feb 2020-Present*

Deepened knowledge of Javascript and Python by attending self-directed educational retreat.

- Built tool to find meaningful connections across texts using Markov Chains and Python. Link: <https://augustocorvalan.github.io/2020/02/10/finding-cross-textual-connections-using-markov.html>
- Used Python to create generative architectural models that compile to CAD for 3-D printing and HTML for WebVR. Link: <https://augustocorvalan.github.io/2020/03/23/generative-architecture-for-cad-vr-and-beyond.html>

Senior Software Engineer, 1stdibs.com — *August 2013-Feb 2020*

- Led team across time zones in year-long rewrite of desktop and mobile search and browse ecommerce pages. These pages are main funnels where users find and shop for inventory of antiques and fine art. Increased Google page speed score by 30%. Utilized Webpack, Express, GraphQL, Relay and React.
- Code-owner for buyer-facing repo. Conducted daily code-reviews with a stress on readable and self-documenting code. Oversaw contributions by 20+ engineers. Worked with product team on new features as domain expert.
- Created custom performance visualization suite used to analyze and fix performance regressions. Allowed us to document load times and ensure good user performance as new features were added. Built using Docker, Puppeteer, Lighthouse, AWS Lambda, and React.
- Built stress testing platform to ensure new features and products could handle traffic spikes. Allowed major infrastructure updates to be released with confidence in their ability to perform under peak traffic. Built with Artillery and a custom multiprocess Node app.
- Wrote multi-page form for the creation and management of promotion codes to drive new sales initiatives. Introduced React and Redux to codebase. Prototyped patterns and best practices for new framework and presented to rest of engineering team.

PROJECTS

Dead Alive Magazine – <https://deadalivemagazine.com>

- Creator of new media magazine for exploring storytelling in the browser.
- Collaborate with poets and artists from around the world to co-produce browser art utilizing innovative technologies such as WebVR, CSS 3D and more.

SKILLS

Programming Languages: Javascript ES6, Python, CSS, HTML
Frameworks and Tools: React, Redux, Node, GraphQL, Relay

EDUCATION

Columbia University – New York City, NY
Bachelor of Arts, Computer Science, May 2013