Augusto Corvalan

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EXPERIENCE

Senior Software Engineer, Human Diagnosis Project — *June 2020-Present*
- Added consistent UI/UX experience across apps by developing a front-end design system. Built out interactive documentation using Storybook so developers can quickly build out new pages and forms. Implemented design system in total redesigns of homepage and on-boarding flows. Utilized React, React Native, Redux Sagas.
- Conceived, pitched and led initiative to add end-to-end testing pipeline for web app. Implemented critical flow tests using Cypress, Mocha and Jenkins.
- Designed and led a bi-weekly problem-solving and knowledge sharing workshop for design and engineering departments. Also designed and led team-wide project kickoff and process retrospective workshops.

Participant, Recurse Center — *Feb 2020-April 2020*
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

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 e-commerce 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, Pupeteer, 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 utilitizing 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*