


Nicholas Char

241 Cumberland Street • Brooklyn, NY • 11205
CELL (610) 564 - 6236 • E-MAIL nicholas.ab.char@gmail.com

 www.nicholaschar.io

 www.github.com/nabchar

 www.linkedin.com/in/nicholaschar/

SKILLS

Ruby	React	JavaScript	HTML5	Git	RSpec
Rails	Redux	jQuery	CSS3	SQL	TDD

PROJECTS

Cahootz (*Rails, PostgreSQL, React, Redux*) **live | github**

A Single-page Web Application for collaborative group messaging, inspired by Slack

- Implemented seamless real-time messaging, updates, and bi-directional functionality via Websockets and Pusher API.
- Handled complex, dynamic data requests and simplified application logic by utilizing Redux architecture and pure functions to maintain a strict unidirectional data-flow.
- Interfaced app with RESTful JSON API on back end to streamline data-flow.
- Standardized form validation with single, modular component, allowing for DRY code.
- Hand-rolled user-authentication and session management utilizing BCrypt.

GentriPages (*JavaScript*)

live | github

Data visualization that explores income inequality and gentrification in Philadelphia.

- Utilized lightweight mapping library to make app more performant.
- Increased efficiency by coaxing data into GeoJSON.

FiefDOM (*JavaScript*)

live | github

DOM manipulation library written entirely in vanilla JavaScript

- Implemented intuitive traversal and manipulation of the HTML elements by abstracting browser DOM API into JavaScript objects.

EXPERIENCE

Vericant - *Operations Associate, Interviewer*

Aug. 2014 – March 2016

Vericant is a small ed-tech start-up that partners with US schools/colleges to identify best-fit Chinese applicants via verified video interviews, proctored writing samples, and spoken English evaluation.

- Managed translation and subtitling process, dynamically deploying internal and external resources to ensure successful delivery of 1500+ student interviews.
- Identified and documented operational bottlenecks, overhauled internal quality review practices, reducing processing errors by 80%.

EDUCATION

App Academy - *Software Engineering*

May 2017

- Immersive 1000-hour software development program (< 3% acceptance rate) with emphasis on data structures, algorithms, latest technologies (React/Redux), TDD, pair-programming, and best practices.

Beijing Normal University - *M.A. in Public Policy*

June 2015

- Course Highlights: Statistics, Research Methods, Public Policy Analysis

Oberlin College - *B.A. in East Asian Studies; minor in Computer Science*

May 2013

- Course Highlights: Principles of Computer Science, Data Structures, Discrete Math, Systems Programming, Programming Abstractions, and Machine Learning
- Cumulative GPA of 3.80; in major GPA of 3.94; Honors: Phi Beta Kappa