

Max Bildner

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github.com/maxbildner

Skills

JavaScript ES6, React / Redux, Ruby on Rails, PostgreSQL, HTML5 / CSS3, SASS, git, WebPack, MatLab, Python, Bloomberg Terminal, conversational fluency in Mandarin Chinese

Projects

Coinspace live | coin-space.herokuapp.com github | github.com/maxbildner/coinspace

Ruby on Rails, PostgreSQL, JavaScript, React / Redux, Recharts, jQuery, HTML5, CSS3, Sass, Webpack

A single-page Coinbase clone where users can buy, sell and research cryptocurrencies

- Aggregated JSON data from multiple AJAX queries / API endpoints to calculate accurate daily price volumes
- Created custom charting tooltip component using React Recharts library, for enhancing interactivity and functionality
- Reduced portfolio dashboard component lines of code by 62% by utilizing a mapping function within a JS Promise to retrieve historical currency data
- Increased security by deploying custom back-end user authentication pattern using BCrypt (Blowfish encryption)

Art and Finance live | maxbildner.github.io/roe-visualization/ github | github.com/maxbildner/roe-visualization

JavaScript, d3 library, HTML5, CSS3, Sass, Webpack

A visualization of Return on Equity using Piet Mondrian paintings, for publicly listed US firms

- Decreased latency for autocomplete search by minimizing JS Promises & Async functions, improving UI/UX design
- Parsed 9,000 financial datasets using functional decomposition to increase code readability and DRY principles

Geotime live | <https://app.geotimeline.com/> github | <https://github.com/maxbildner/geotime>

JavaScript, React, ant-design library, google-maps-react library, HTML5, CSS3

Medical Logistics Winner of March 2020 EndCoronavirus.org Hackathon (Team of 3 led by Greg Marlin)

- Added functionality allowing users to update previously set location markers
- Improved the UI by integrating the React AntD modal and table sub components with google-maps-react API

Experience

Philcomsat Holdings Corp, Manila, Philippines 2016 - 2019

Financial Analyst

- Built private equity valuation model to price target firm, which was used in negotiations and resulted in purchasing the stock at a 74% discount to book value
- Wrote Monte Carlo MatLab simulations to aid in risk analysis of potential equity investments

Tungsten Partners, New York, NY Summer 2014

Software Engineer Intern

- Increased productivity by automating the creation of art advertisements through a Python script
- Designed and implemented front-end HTML/CSS changes for portfolio companies websites, thereby improving the User Interface and creating a more modern appearance

Education

App Academy, New York, NY May - Sept 2019

Immersive 1000+ hour software engineering course with focus on full stack web development (~3% acceptance rate)

Dartmouth College, Hanover, NH 2015

B.A. Studio Art (Architecture), minor in Human Centered Design (Engineering)

- Co-founded Aspirex Investments, LLC. (2012 - 2015): Equity long-only fund that achieved 33+% annualized returns over 3 years; developed semi-automated rule-based equity trading algorithms in Python