

Cameron Sexton // Full Stack Developer

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PROFESSIONAL EXPERIENCE:

RailStats LA | Full Stack Developer | Los Angeles, CA

June 2018 – present

- Led a partnership between Hack for LA & LA Metro to build an open-source, on-time performance monitor tool for the train network.
- Featured speaker at LA Counts for Open Data Day 2019, showing how RailStats LA is built on public data.
- Architected & coded a data analysis engine in Python to track vehicle locations over time and run automated statistical analyses continuously.
- Optimized Python execution on large data sets with Pandas and Numpy libraries.
- Wrote unit tests to improve reliability and robustness with Pytest and Mocha.js.
- Using Node/Express, I built the REST API to provide the latest Metro performance data.
- Using React, I developed the statistical summary and trip visualizer pages for the front end.
- Produced data visualizations with Highcharts library.
- Implemented best practices for responsive, mobile-first web applications with Material-UI framework.
- Configured and managed AWS services – EC2, S3, and IAM Roles.

Tech Stack: React, Next.js, Material-UI, Node.js, Express, Python, Pandas, Docker, AWS

Links: la.railstats.org, api.railstats.org, github.com/metro-ontime

CTS Web Design | Full Stack Developer | Los Angeles, CA

March 2017 – present

- Used React & Vue.js to rapidly develop high quality websites for small businesses.
- Achieved 100% SEO and Best Practises scores with Google Lighthouse Website Audit tool.
- Crafted responsive, mobile-optimized layouts with CSS - producing simple and content-focused designs.
- Reduced infrastructure setup time to under 5 minutes for each new website with Docker and CockpitCMS as a REST API to serve content.

Tech Stack: React, Vue.js, Vuetify, Node.js, CockpitCMS, Docker, Nginx, Sass, DigitalOcean

Links: dannyfischer.com.au, thomaswaltrichmusic.com

Fantasma | GIS Software Engineer | Venice, CA (Contract)

Oct 2018 – Dec 2018

- Developed a CRS (coordinate reference system) tool in Python, which converts Cartesian coordinates to spherical/global coordinates.
- Worked with 3D mapping startup to transform geographic datasets.
- Processed 3D point clouds, collected via cameras mounted on scooters, to produce GeoJSON files outlining major geographic features (streets, sidewalks, construction zones) on a map.
- Used QGIS to refine and label GeoJSON documents.

Tech Stack: Python, QGIS, Meshlab, Blender (3D software)

Link: fantasma.io

White Rabbit ICOs | Front End Developer | Los Angeles, CA (Contract)

Aug 2018 – Sep 2018

- Implemented the NEO coin ICO discovery page on popular cryptocurrency ICO discovery/news site.
- Refactored Ruby on Rails app to improve page routing and separate content from layout logic.

Tech Stack: Ruby On Rails, Bootstrap

Link: whiterabbiticos.com

EDUCATION:

Bachelor of Music Technology

Monash University, Australia

Ernst Morawetz Prize for Best Student 2017

Bachelor of Finance

Monash University, Australia

Dean's Recognition Award (2014 & 2015)