

# MATT VANCE

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## PROJECTS

**Geornal** (<https://geornal.herokuapp.com>)

React, GraphQL/Apollo, PostgreSQL, Mapbox

*Social Travel Tracker*

2019-2020

- Project Lead for an open-source travel map project which lets users see where their friends have visited. Primary designer and front-end developer (~10 hours/week); significant contributor to back-end
- Site capabilities include the ability to make a profile, add friends, record cities on a responsive world map and view friend's travel data (combined or one friend at a time). Display of all friend's travels on a single map is the app's unique feature compared to other sites in the same niche.

**Cryptophan** (<https://mvance43776.github.io/Cryptophan-JSonly>)

Javascript, Cryptocompare api

*Cryptocurrency tracker*

2018

- Solo developer for a cryptocurrency tracker with unique views of coin history, price information
- Site capabilities include charting price history, % all time high, and weekly patterns via confidence interval

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## WORK EXPERIENCE

**Abbott Vascular**

Temecula, CA

*Manufacturing Engineer*

Feb 2017 – Present

- Engineering lead for developing process controls and running validation to integrate new laser technology. Designed experiments to understand process relationships and achieve yield, cycle time targets.
- Transfer engineer stationed in Bay Area site for 12 months during transition of a product to Temecula. Responsible for quickly understanding full process lifecycle and providing input for process, equipment, and material needs of manufacturing transfer.

**Confluent Medical Technologies**

Fremont, CA

*Rapid Development Engineer/Surface Processing Engineer II*

Jul 2014 – Feb 2017

- Lead surface engineer on the six month development to validation cycle of a heart repair implant. Chose chemical process sequence and optimized process parameters to satisfy multiple stakeholders with varied requirements. Met aggressive timeline while beating cost targets by 19%.
- Managed team of two technicians and coordinated operator hours with line and value stream leaders.
- Developed method of utilizing JMP's Query Builder feature to efficiently evaluate dimensional capability and defect rates. Wrote scripts for engineers on eight projects which save approximately two hours/week compared to older querying methods.

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## EDUCATION

**California Polytechnic State University**

San Luis Obispo, CA

*B.S., Materials Engineering, summa cum laude*

Sep 2010 – Jun 2014

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## RELEVANT SKILLS

- React
- Javascript
- JMP (Data Analysis)
- HTML/CSS
- Node
- GraphQL/Apollo
- PostgreSQL
- Adobe XD