

# SAMUEL ROBERTSON

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## EXPERIENCE

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### Revolution Messaging

*Full Stack Engineer*

Remote

March 2016 | Present

- Redesigned an integration system to one that now serves 7.5 to 9 thousand requests per second using Node.js, MongoDB, React, PostgreSQL, Redis, RabbitMQ and Heroku.
- Independently built a robust server-side configurable form system that lets clients integrate click to call and SMS signup forms on their websites with React and Node.js. Documentation: <https://bit.ly/2Ryqg49>
- Designed and expanded integrations for Revolution Messaging's Revere Mobile platform with NGP/VAN, MailChimp, Salsa Labs, Blue State Digital, Engaging Networks, and Action Kit. (e.g NGP/VAN's integration has added over 80,000 constituents to Revolution Messaging's client's mobile lists in 2018 using my software)
- Built an interactive map using the Google Maps SDK for Ocean Conservancy's international cleanup written in ES6. Demo: <https://bit.ly/2wexRvo> Source: <https://bit.ly/2PIUjKv>
- Provided client support, calls, emails and meetings to solve any and all issues when a problem occurred.
- Responsible for JavaScript support for front-end developers less familiar with the language.
- Helped implement the technology behind <https://dailyaction.org/> and <https://whitehouseinc.org/>

### Coding House

*Teaching Assistant*

Fremont, CA

October 2015 | January 2016

- Worked with pupils one-on-one to help debug, write and improve their programming skills.
- Aided during lectures to solve problems and keep the class moving.
- Graded assignments and provided feedback where improvements could be made.

### Delphi Automotive PLC

*Intern*

Lockport NY

May 2014 | August 2014

- Created the test platform for a new evaporator unit that was to be evaluated for performance under various scenarios.
- Worked with 3D models and scans to modify a vehicle to fit the test platform with SLA printed parts.
- Created a test platform to evaluate various HVAC seals with the goal to migrate to a cost-effective manufacturer with similar performance.

## PROJECTS

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### Blue State Digital NPM Package *Node.js*

<https://bit.ly/2QcciIB>

Blue State Digital has a difficult API to work with in terms of authentication. They provide libraries for various languages but not Node.js. I filled this gap by creating a simple REST interface with a few helpers where needed.

## SKILLS

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JavaScript: ES6, TypeScript, Lab + Code, Hapi.js, Express.js, Mocha + Chai, Jest, React.js

Ruby: Ruby 2.0~2.4, Ruby on Rails, Sidekiq Jobs, Custom Gems, RSpec BDD

Databases: MongoDB, PostgreSQL, MySQL, Redis

Cloud: AWS S3, AWS CloudFront, AWS Lambda, Heroku

## EDUCATION

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### The Pennsylvania State University

Bachelor of Science (B.S) Mechanical Engineering

University Park, State College, PA

- June 2015