



SOFTWARE ENGINEER

VALLIAPPAN LAKSHMANAN

CONTACT

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PERSONAL PROFILE

Software Engineer with a background in Material Science and work experience in the social impact sector. Effective at combining both the human and technical aspects of technology to create full stack applications that make the world a better place.

TECH STACK

Languages: HTML5, CSS3, Javascript ES6, SQL, Python

Applications: Github, MySQL, Heroku, Salesforce

Tools : Node.js, Express, Sequelize, D3.js, Bootstrap, React, Handlebars, JQuery

LINKS

- LinkedIn: <https://bit.ly/38FM2y1>
- GitHub: <https://github.com/v-lax>
- Portfolio: <https://bit.ly/35zjHY9>

EDUCATION HISTORY

Bootcamp Certificate UNC Charlotte Full Stack Web Development

Masters

- MS in Data Analysis and Visualization at the CUNY Graduate Center
- Expected Graduation Date – May 2021

Undergraduate

- SUNY StonyBrook University
- Bachelors In Engineering – Engineering Sciences

PROJECTS

MAPPING EVERY SHOT FROM THE 2018 NBA PLAYOFFS

- This was an exploratory data visualization that I completed for my Interactive Data Viz class. It maps every shot from the 2018 NBA Playoffs and allows an individual to compare shots among different teams and players
- Role: Front End design and development
- Tools: D3.js, HTML, CSS, Python Pandas.
- [Link to deployed project](#)

DAILY SERVICE RECORD TRACKER APPLICATION

- Built for individuals working as auto technicians this project is a full stack MVC application that allows a user to log, view, and keep track of the work that they have done.
- Role: Front End design and development
- Tools: Node, Express, Sequelize, Bulma, Handlebars, Passport.js, Moment.js, D3.js
- [Link to deployed Project](#)

WORK EXPERIENCE

MANAGER OF DATA AND EVALUATION

Change Machine formerly The Financial Clinic | 2019 – 2020

- Worked closely with our Product Development team to help improve the quality of the data we collected on our Salesforce based coaching app
- Conducted statistical analysis on multiple datasets for internal/external research projects and blog posts
- Created and maintained multiple Salesforce/Tableau dashboards that provide teams within the organization a snapshot of how programs are doing and the impact they are having

PROGRAM ASSOCIATE

Change Machine formerly The Financial Clinic | 2018 – 2019

- Lead and Co-facilitated trainings for local and national partner organizations on personal financial coaching strategies
- Designed tipsheets and training modules on personal finance topic
- Using Python and Plotly, created visualizations of personal finance data to help demonstrate financial coaching topics In trainings