

# MICHAEL LU

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## EXPERIENCE **Front End Developer**, The CHEX (Nov. 2017 - present)

- Primary developer for the front end realization of a multi page merchant app based around cryptocurrency exchanged for physical goods.
- Transformed wireframe designs into stateful, responsive React components.
- Responsible for prioritizing assigned tasks and managing own time to meet team deadlines.

## SKILLS

- Algorithmic problem solving
- Responsive Design
- Regular Expressions
- Object Oriented and Functional Programming
- API Development and Usage

## TECH

**Languages:** Javascript, HTML, CSS

**Frameworks/libraries:** React, Gatsby, Node.js, Express.js, jQuery, Bootstrap

**Practices/other:** Version control, code linting, unit testing

## PROJECTS

### Personal Website

<https://www.github.com/MikeLuDev/my-portfolio>

- Designed and created a multi page static website to serve as a personal portfolio and blog.
- Implemented programmatic creation of blog posts as web pages through the Gatsby framework.

### Time-stamper

<https://github.com/MikeLuDev/time-stamper>

- Timestamping microservice which converts to and from UNIX time.
- Implemented user request routing with Node.js and Express.js
- Request validation through regular expressions.

### Calculator

- Fully functional basic calculator capable of processing addition, subtraction, multiplication, division, as well as floating point numbers.
- Utilized keydown listeners to implement numpad input.

### Tic-tac-toe

- Implemented the minimax algorithm to create an unbeatable AI
- Difficulty scaling according to user setting

### Twitch Stream Viewer

- Fetch data from the Twitch.tv API to display stream information to the user
- Filtering based on API data

## EDUCATION

### Certification, Front End Development

Free Code Camp, 2017

<https://www.freecodecamp.org/MikeLuDev>

### Bachelors, Music

University of South Carolina, 2016

GPA: 3.67 / 4.00 - *Cum Laude*