ARTHUR SONG

Glendale, CA · arthursong14@gmail.com · (818) 269 - 7378 · arthurysong.github.io

EDUCATION

Flatiron School	New York, NY
Software Engineering Certification	March 2019 - Apr 2020

Glendale Community College	Glendale, CA
47 Units	Apr 2015 - Dec 2017

EXPERIENCE

Louis and Gregory	New York, NY
Software Engineer Intern	Sep 2020 - Mar 2021

- Researched third-party processors that would suit LAG's business model and software/hardware requirements
- Used Paypal's SDK & Braintree API to build a customized checkout experience in React, tested different user scenarios to ensure reliability
- Designed a QR code feature that allows users to "sync" and control POS machines in real-time from their phones, allowing users a no-contact way of purchasing products from our POS machines
- Configured WebSockets in NodeJS server so POS app can communicate real-time with MCU
- Started and maintained documentation for LAG's repositories, resulting in easier on-boarding of engineers

SKILLS

Web Frameworks:	React.js, Next, Express, Elixir
DevOps:	AWS, CI/CD with GitLab, Heroku
Databases:	MySQL, PostgreSQL, MongoDB
Other:	Git, GitHub, Arduinos, TDD, Socket.io, Third-Party APIs

PROJECTS / OPEN-SOURCE

MWriter *React.js, MongoDB, TDD with Jest, GitHub & Medium API, Express*
Demo · Live · GitHub
A journaling web application that can publish entries to Medium. I created this app so that I can organize my Medium blog posts into separate folders and also automate my blogging process. Used GitHub's API to automatically create and import GitHub gists from any code snippets in my entry when I publish to Medium.

Console-Poker *Ruby on Rails, WebSockets, Redux Middlewares, Stripe & Google API, React*
Demo · Live · GitHub
My take on an online multiplayer Poker app. I wanted to build a challenging real-time application using WebSockets. Features multi-player interactions and live chatting. Integrated Stripe's API to accept USD transactions and allow users to play poker with real money.

IoT Car *Arduino ESP 32, MQTT Mosquitto, Flutter, AWS EC2*
Demo
An Arduino robot I built to explore IoT & Arduinos while utilizing my current web experience. Connected an ESP32 two wheeled robot to a Flutter mobile app using an MQTT broker on AWS.

DogeHouse *Elixir, GitHub*
Demo · GitHub
A voice streaming app that scales conversations to the moon! Created by Ben Awad. Contributed unit tested refactors to Elixir database models. Fixed bugs in Elixir conf files.

CERITIFICATIONS

AWS Cloud Practitioner Certification	AWS
	Feb 2021

Improving Communication Skills	Coursera
	Feb 2021

Fundamentals of Graphic Design, Visual Elements of User Interface Design	Coursera
	Mar 2021