# 江柏霖　Chiang, Po-Lin

## Front-End Developer

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## Summary

A programmer with a keen eye for design, a team player who is capable of working independently, and an architect who is passionate about creating innovative products.

## Skills

### Front-End Development
- Git, GitHub
- HTML5
- CSS3
- JavaScript ES6
- Responsive Web Design

### Frameworks
- React
- Hooks
- React Router
- Redux, Thunk
- Styled Components

### Third-Party Library Integration
- Firebase Authentication
- Cloud Firestore
- Google Analytics
- Pixi.js
- Three.js

### Data Visualization
- NumPy, Matplotlib
- pandas
- Google Maps Platform

### Graphic Design
- Photoshop
- Illustrator
- InDesign

### 3D Modeling and Rendering
- Rhino
- Grasshopper
- Blender

## Projects

### Room

An online interior designing tool integrated with Drag & Drop Canvas and stunning 3D Rendering.

- Applying WebGL including Pixi.js & Three.js
- Designing page layout with React components
- Using React Router for navigation
- Connecting Redux for data management
- Integrating user accounts and project data with Cloud Firestore and Firebase Authentication
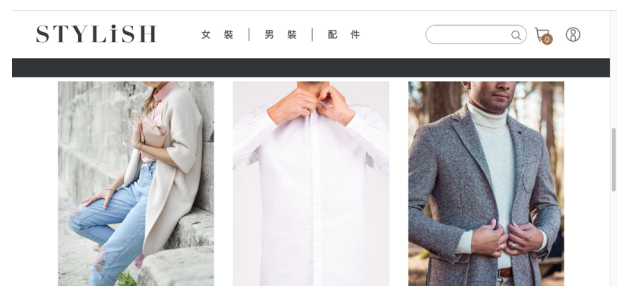
Link    GitHub

### STYLiSH

An e-commerce website for the hottest outfits, providing user accounts integrated with Facebook SDK and payment gateway set up through TapPay.

- Using fetch API to get data from the server
- Using Google Analytics to track user activities
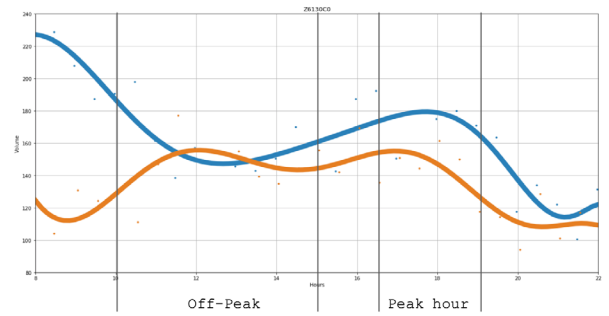- Applying Search Engine Optimization

Link    GitHub

## Research

### Self–Driving City & Parking Management

An Urban Research on parking space and traffic data presented with line graphs, spatial analysis, and a smart city solution.

· Using pandas for data cleansing

· Using NumPy, Matplotlib for data visualization

· Creating analysis with Google Maps Platform



[Link](#)

## Experience

### AppWorks School

Front–End Developer · FEB 2021 – JUL 2021

· Studied Front–End development skills, Git Flow, and completed an e–commerce website.

· Worked with Back–End, Data, and iOS engineers as a scrum team, and added new features including recommendation system, member system, shopping cart connected to a database, and discount system to an existing website designed with MVC framework and RWD layout.

· Designed and Completed a Single Page Application using React, Firebase services and WebGL techniques with deep domain knowledge about interior design on tight timelines.

### Shu Chang & Associates, Architects

Architectural Design Intern · DEC 2019 – FEB 2020

· Worked independently on a proposal of a student activity center design and presented with architectural drawings and renderings including review of building regulations.

### TMA Architects & Associates

Architectural Design Intern · JUL 2017 – AUG 2017

· Worked with project manager and integrated with other departments on a residential building project from developing plans and sections to completing detailed drawings.

## Education

### National Cheng Kung University

B.S. in Architecture · SEP 2015 – JUN 2020

· Algorithm

Studied foundations of algorithms' analysis and design, sorting, dynamic programming, greedy algorithms, elementary graph algorithms, and passed with a score of A+.

· Introduction to Python Programming

Worked with JSON data, implemented CRUD operations, and created charts with Matplotlib. Participated in a game development team and build a desktop app with Pygame library.

### National University of Singapore

Non–Graduating Exchange Program · AUG 2019 – NOV 2019

· Worked with students from Singapore, Korea, Hong Kong on a heritage research project.