

# Roboterra Integration Platform

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# Context & Overview

In the summer of 2016, I interned at a robotics edtech startup in Silicon Valley called Roboterra, which teaches kids how to code through robotics. I was the first full-time UX/UI designer on the team. Eventually, I ended up doing PM work as well: I wrote code and created educational content for the platform.

Before working on the actual product of the company, we interns were given a trial run for our skills. We were tasked to create a resource integration platform that collated all Roboterra employees' files and documented the apps they used everyday.

The product increased efficiency across all Roboterra offices. We were also told that the employees used it daily and were excited to continue updating it with new material.

I learned Git via Bitbucket, React.js and Redux.js, furthered my HTML, CSS and JS skills and learned how to work with engineers!

# Problems & Goals

## Current Problems

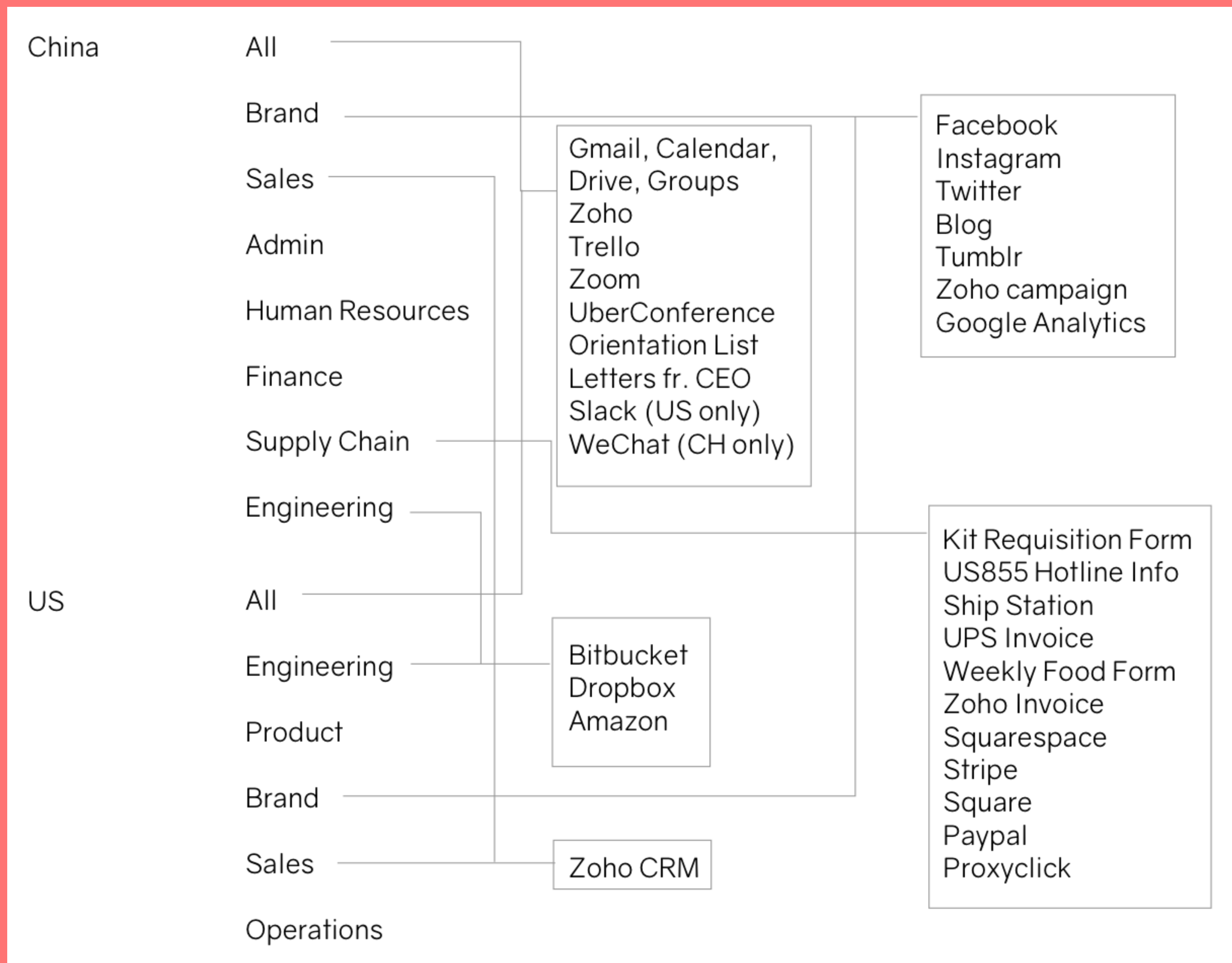
- No cross-collaboration or constant updates from other departments or offices.
- No all-in-one repository of everything. They could not use certain apps (for example, Google Drive) because of restrictions in China.
- Different teams had different apps and it was difficult for the higher-ups to keep track of everything.
- No onboarding process for new members.

## 4 Main Goals

- Allow the global offices to know what's up with other offices (3 in China and 1 in SV).
- Act as a stand-alone onboarding process for new employees
- Will be *the* website all employees will open up to start their work day.
- Collate and organize all employees' resources for easy tracking.

The end product, however, ended up focusing mainly on the last two. As this was a 2-week project, we were limited in our capacity, but made the development flexible enough to scale.

# Mockups & Prototypes



Here is a mapping of all the resources. I also made a few wireframes on paper for early communication to my bosses (however I'm having trouble finding the wireframes right now.)





# ROBOTERRA

## BY LOCATION

Silicon Valley

Beijing

Shanghai

Xian

## BY DEPARTMENT

Engineering

Finance

Hardware

Human Resources

Marketing

Product

Sales

Supply Chain

Google Drive

Gmail

Facebook

Instagram

Slack

WeChat

WhatsApp

LOL

Twitter

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This was the earliest version. The sidebar shows the categorization (in which I categorized both by location and by department). When you click one of the categories, it filters out the items on the right accordingly.



# ROBOTERRA

All

## LOCATION

Silicon Valley

Beijing

Shanghai

Xi An

## DEPARTMENT

Engineering

Finance

Hardware

Human Resources

Marketing



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I changed some UI things (color, size of the items on the right, etc.) and added an "ALL" button.



# ROBOTERRA

All

## LOCATION

Silicon Valley

Beijing

Shanghai

Xi An

## DEPARTMENT

Engineering

Finance

Hardware

Human Resources

Marketing

Product



**Google Drive:** The drive where we put all our stuff!!!



**Gmail:** Our main source of communication @roboterra.com



**Facebook:** Social media oh yah



**Slack:** Instant messaging in the US



**Twitter:** It's a byootiful butterfly!



**Google Plus:** 1 + 1 equals 2

Suggest a resource?

First & Last Name

Title of Resource

Link to Resource

Description

SUBMIT

Transformed the items on the right to lines. There was no need to make the logos so large -- it just took up space estate. I also made the "suggesting a resource" more focused and took everything else away.





# ROBOTERRA

ALL

## LOCATIONS:

Silicon Valley

Beijing

Shanghai

XiAn

## DEPARTMENTS:

Engineering

Marketing

Hardware

Sales

Products

Supply



**Gmail:** An efficient email system



**Drive:** A reliable way to store files

SUGGEST A RESOURCE?

LOGOUT

Incorporated a Logout button and a simple button for Suggest a Resource so it doesn't take up too much space.



# ROBOTERRA

[CHINA](#)[US](#)

## DEPARTMENTS:

[ALL](#)[Admin](#)[Brand](#)[Engineering](#)[Finance](#)[Human Resources](#)[Sales](#)[Supply Chain](#)

**CH: Gmail** An efficient email system



**CH: Google Calendar** Sync daily calendars from your favorite Roboterra employee



**CH: Google Drive** A reliable way to store files



**CH: Google Groups** Create mini groups within Roboterra with the help of Google




**CH: Instagram** Official Instagram page



**CH: NewsLetter** Sign up for the newsletter

[SUGGEST A RESOURCE?](#)[LOGOUT](#)

Took away the categorization by locations. We realized after a few interviews that employees did not see the need for dividing it up by location. Rather, they will just quickly go to their corresponding department and search what they need there. There were also redundancies to categorizing by both Location and Departments. Also added a Chinese language version.



ROBOTERRA  
GLOBAL HUB

中国

US

≡

SUGGEST A RESOURCE?

LOGOUT

DEPARTMENTS:

All

Global Brand

International Sales

Hardware Engineering

Software Engineering


Product Development


Operation


Finance


Human Resource


General Admin

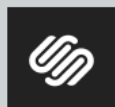
 Delivery Form


 Delivery Requisition Form

 Inventory Count Form

 Receive Form

 Ship Station

 SquareSpace Orders

 UPS Billing Center



ROBOTERRA  
GLOBAL HUB

中国

US

≡

建议一个资源?

登出

部门

适用于全公司

市场部

销售部

战略项目部

供应链部

硬件工程部

软件工程部

产品及服务部

人事行政部

财务部

 新人入职必读 你刚刚加入萝卜太辣团队吗? 点击即可知道关于萝卜太辣的一切

 CEO的信

 Gmail 萝卜太辣工作邮件系统

 Google Calendar 了解你亲爱的萝卜太辣同事每日日程

 Google Drive 萝卜太辣共享工作组件

 中国区月度总结会会议记录

 Zoom ID 使用说明

 Google Groups 萝卜太辣群组邮箱

 Zoho 员工内部系统控制面板

This is the final version. They’re still using it and updating it and that makes me happy! Notice, we moved the bottom menu to a menu at the top right so it doesn’t take away space from the main page.



# Moving Forward

Some metrics to gauge success: DAU, # times resources update, average views per day, # clicks for a resource, # clicks for a category.

The app does not currently allow other departments to know any real-time updates from other departments. It also does not allow other departments to get to know the other employees from other offices. I had big dreams of making an news and announcements board, and a Wiki that described each employee. So many dreams!

However, we were constrained by time. For now, our boss said this was a really good product and, even now, they continue to update the resources and use it. I'm glad we were able to contribute to the team's efficiency!