



# Dashboard Proposal Presentation

**Kyle Chan, Kevin Cho, Jonathan Lau,  
Gordon Li, Akira Vernon**



# Overview

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# Introductions



# Kevin Cho

**Senior**

**Computer Engineering**

**Role: JavaScript Lead Developer**

**Previous Roles: Django Dashboard Developer**



# **Kyle Chan, Jonathan Lau, Akira Vernon**

**Juniors**

**Computer Engineering**

**Role: Graph Generator**

**Past Teams: 296 Weatherbox team (Snapdragon)**

**Fun Facts: Kyle works at Spectrum, Akira broke his ankles playing basketball, Jon gets drunk when he uses hand sanitizer. Pro Tip: Don't give Jon Hand Sanitizer!!**



# **Gordon Li**

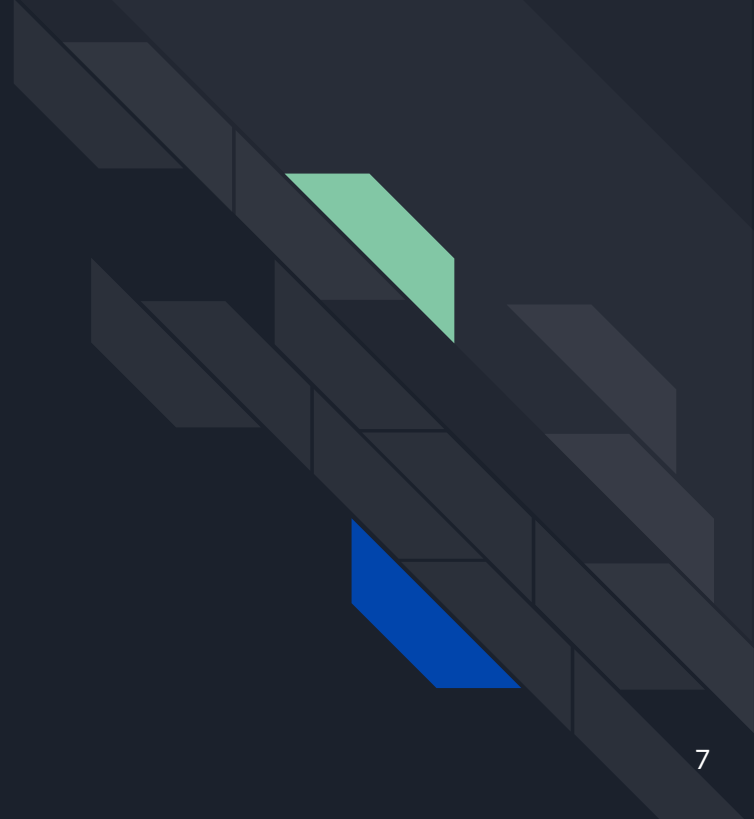
**Senior**

**Electrical Engineering Systems Track**

**Role: Weatherboxes Page Designer**

**Past Teams: 296 Weatherbox Team (Asteroid),  
Forecasting Team, Team Dragonfruit**

# Project Overview



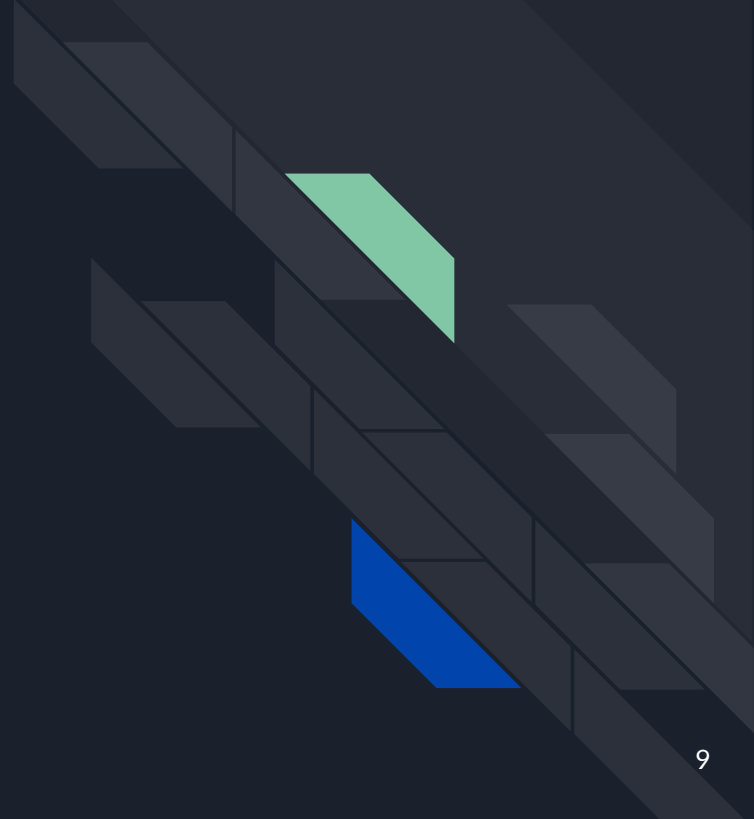


# Project Overview

- **SCEL collects weather data from their deployed weatherboxes**
- **The collected data can be used for analysis and can be visualized through graphical models**
- **Originally Dashboard v1 was made in Django; however, this semester is JavaScript**
- **The dashboard assists with data visualization allowing anyone with access to view collected and analyzed data**



# Semester Goals



# Goals for Semester

**Design &  
Mockup**



**Generate  
Electronic  
Copy**



**Create  
Design  
Document**



**Develop  
Minimum  
Viable  
Product  
(MVP)**



**Re-evaluate  
Design  
Document**



**End Goal: Create a functional dashboard.**

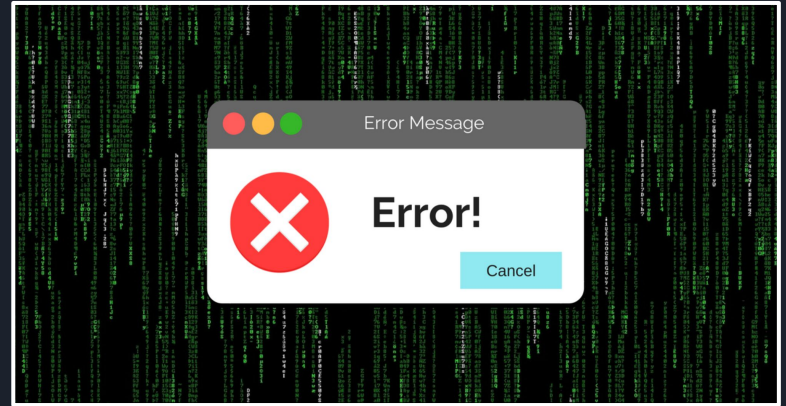
# Approach to Completing Goals

- **Dashboard Design**
  - **Frequent Wiki updates for Design Doc pages**
    - **Documentation on choices of design**
    - **Comparable alternatives that could be used**
    - **Pros and cons of design**
- **Minimum Viable Product**
  - **Define project objectives**
  - **Create and implement issues**
    - **Utilize React framework**
    - **GitHub**



# Potential Problems

- Learning/familiarizing ourselves with JavaScript and React
- We may not be able implement functionalities initially planned



# Learning Expectations



# Learning Expectations

- **Learn about the software design procedure and apply the procedure specifically to designing the dashboard**
- **Write complete documentation for future x96 students and to set a standard for wiki documentation**
- **Grow comfortable with software engineering practices like code reviews, issue tracking, and version control**
- **Gain/improve knowledge on developing with JavaScript and React**

# Team's Progress





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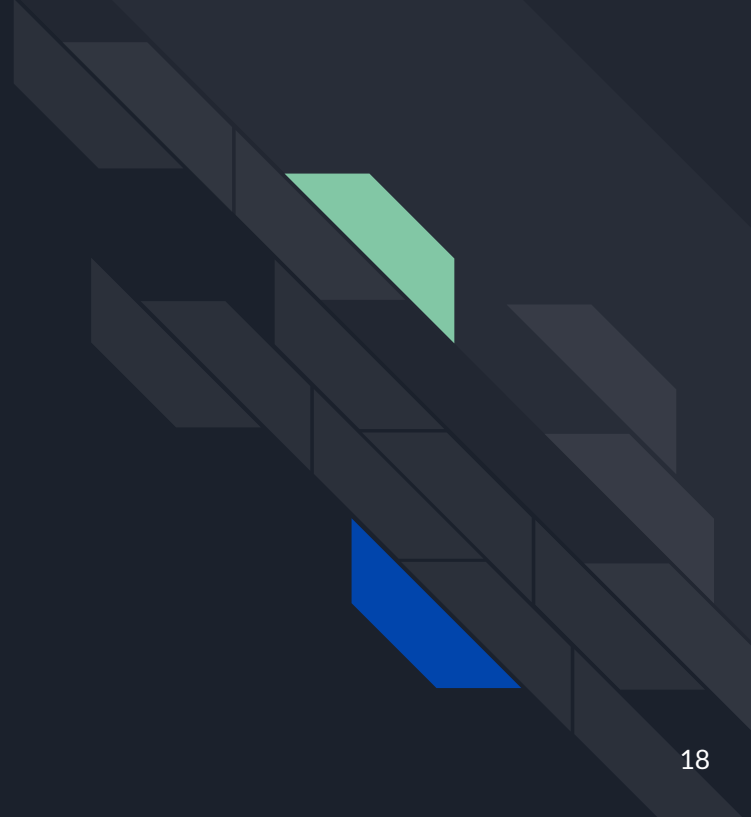
Training	Design Documents	Dashboard Deployment & Development	Minimum Viable Product
<ul style="list-style-type: none"><li>• JavaScript</li><li>• ES6</li><li>• React</li></ul>	<ul style="list-style-type: none"><li>• Landing Page</li><li>• Weatherboxes Page</li><li>• Graph Generator Page</li></ul>	<ul style="list-style-type: none"><li>• GitHub</li><li>• Issues</li></ul>	<ul style="list-style-type: none"><li>• Landing Page</li><li>• Weatherboxes Page</li><li>• Graph Generator Page</li></ul>
<b>In Process of Completing</b>	<b>Ongoing Progress</b>	<b>No Progress</b>	<b>No Progress</b>





**Questions?**

**Thank you!**





# Sources

SCEL Logo: <https://avatars0.githubusercontent.com/u/7014873?s=200&v=4>

React Logo:

<https://i1.wp.com/wptavern.com/wp-content/uploads/2015/12/react.png?ssl=1>

GitHub Logo: <https://tettra.co/wp-content/logos/github.png>

Error Picture:

<https://media.licdn.com/media/AAEAAQAAAAAAAAA1ZAAAADk4NDE4MDFjLWNINjctNDhiYi04ZTUzLWRIOWM4Y2Y0YmNjYg.png>