

Team CareerNet



CARTER TAYLOR

Role: Team Lead, Customer Communicator

MCKENZIE CLARK

Role: Architect

RAN LI

Role : Release Manager

CARMEN MONTALVO

Role: Recorder

CS Faculty Mentor:

Han Peng

Design Review 1

Clients



**José R. Díaz
Aquino**

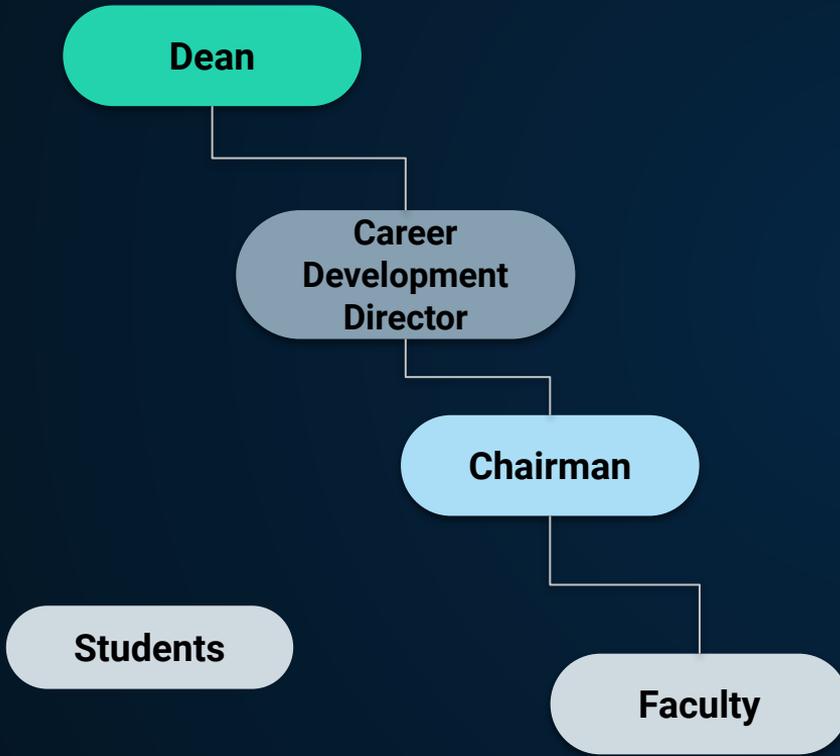


Dr. Andy Wang

Mr. José R. Díaz Aquino, Program
Director, CEIAS Career Development

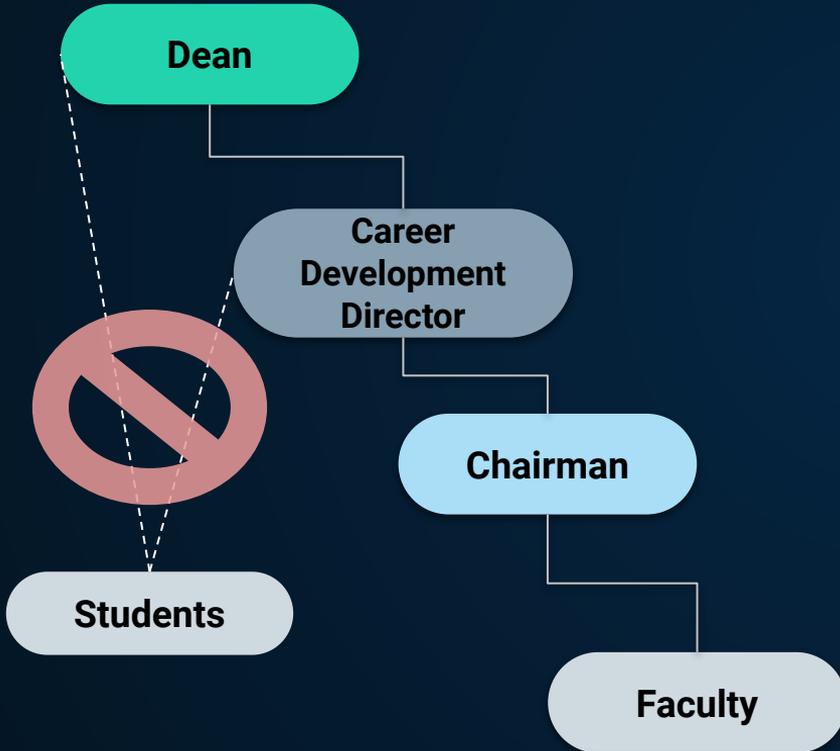
Dr. Andy Wang, Dean and Professor
College of Engineering, Informatics,
and Applied Sciences

Workflow



- Dean - head of a school or administration division in a university
- Career Development Director - Directs and manages the university's career services
- Chairman of the Board - aids in defining the board's responsibilities and setting the strategic direction for the institution
- Faculty - professors and advisors
- **Goal:** By 2026, all students should have external learning experiences (work in something related to their major outside of the classroom).

Problem



- Disconnect between the students and the clients
- Timing of data collection
- Lack of information on students career success outside of the classroom
- No data visualization

Solution

Web Application



DATA RETRIEVAL

Data retrieval, normalization, and storing



SECURE LOGIN

A secure login verification with user groups



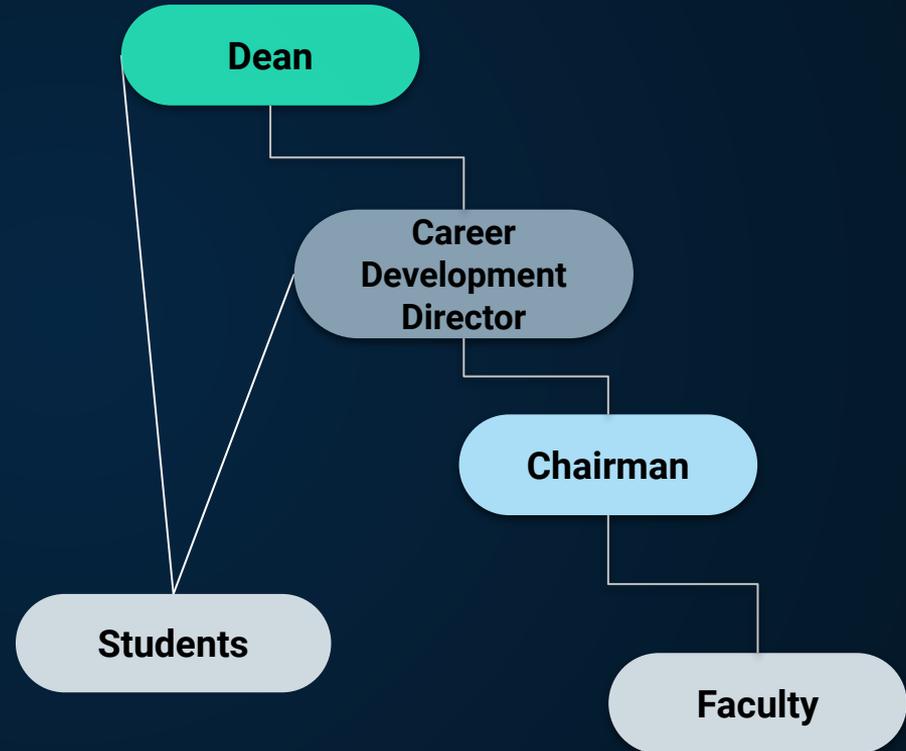
DATA VISUALIZATION

Easily filtered data graphs for users to examine



ACCESSIBILITY

Easy user interface to find information at glance

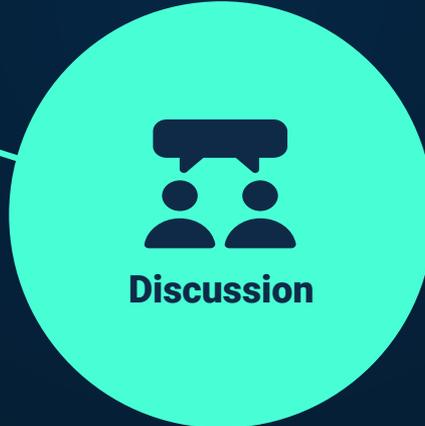


Requirements Acquisition



Weekly team meetings

Weekly client meetings



Extracting long term goals for college of engineering

Key User Requirements

Efficient Student Data Fetcher

Efficiently grab and store fetch Student data from LinkedIn, Handshake, and imported CSVs

01



Data Visualization

Visualize and filter stored student data for analysis

02



Searchable Student Profiles

Unique profiles for each stored student that shows notable professional milestones

03



User Authentication

Only provide access for authorized users

04



Overview of Requirements



Functional Requirements

- User Interface
- Data Retrieval
- User Authentication
- Data Storage



Performance Requirements

- Responsive User Interface
- Quick Database Retrieval
- Efficient Data Scraping

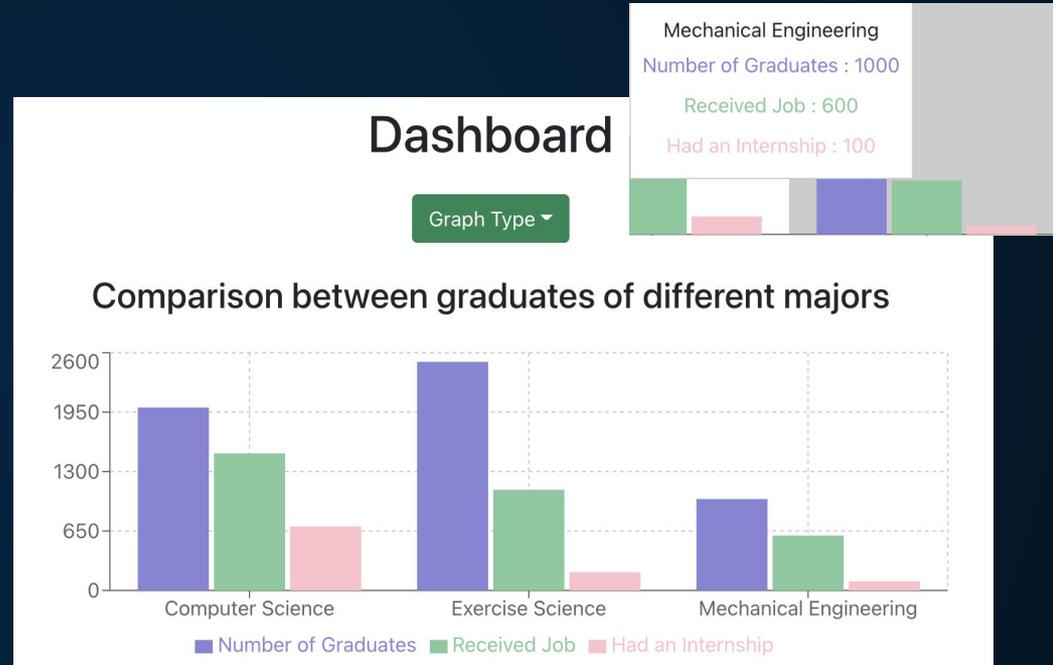
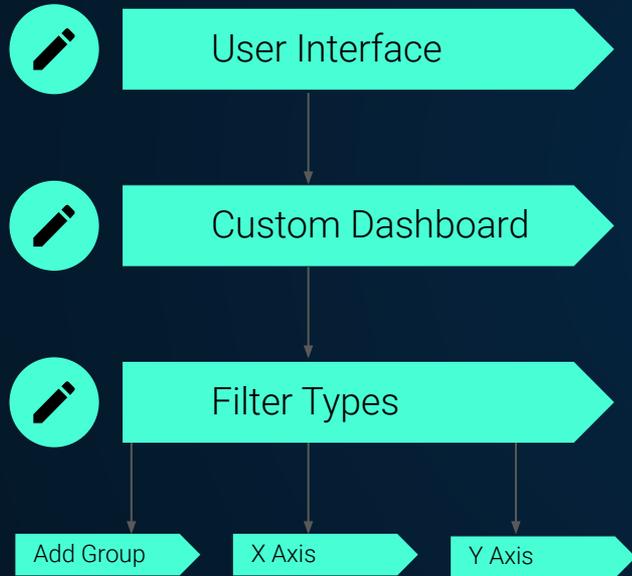


Environmental Requirements

- User Authentication
- Host Server
- Data Visualization
- Desktop Usability

Deep Dive: User Interface Dashboard

Functional Requirements



Dashboard Performance

- **Fast Chart Manipulation:** Graphs and charts used to display student data should display correct information quickly to the user.
- **Responsive User Dashboard:** The dashboard displayed to the user should respond to the user's interaction.

Example Performance Requirement

It will take less than 1 second for graph filtering to reflect accurate student information.

Risks



Reliability of
Data

Can't Access the
Handshake API



Overloading
the Backend

Feasibility

Risk	Description	Likelihood	Severity
Reliability of Data	Students submit incorrect data	Low	Medium
Overloading the Backend	Updating database information can extend the wait time	Medium	Low
Can't Access the Handshake API	NAU is not granted official access to the API in time	Medium	Medium-High

Schedule

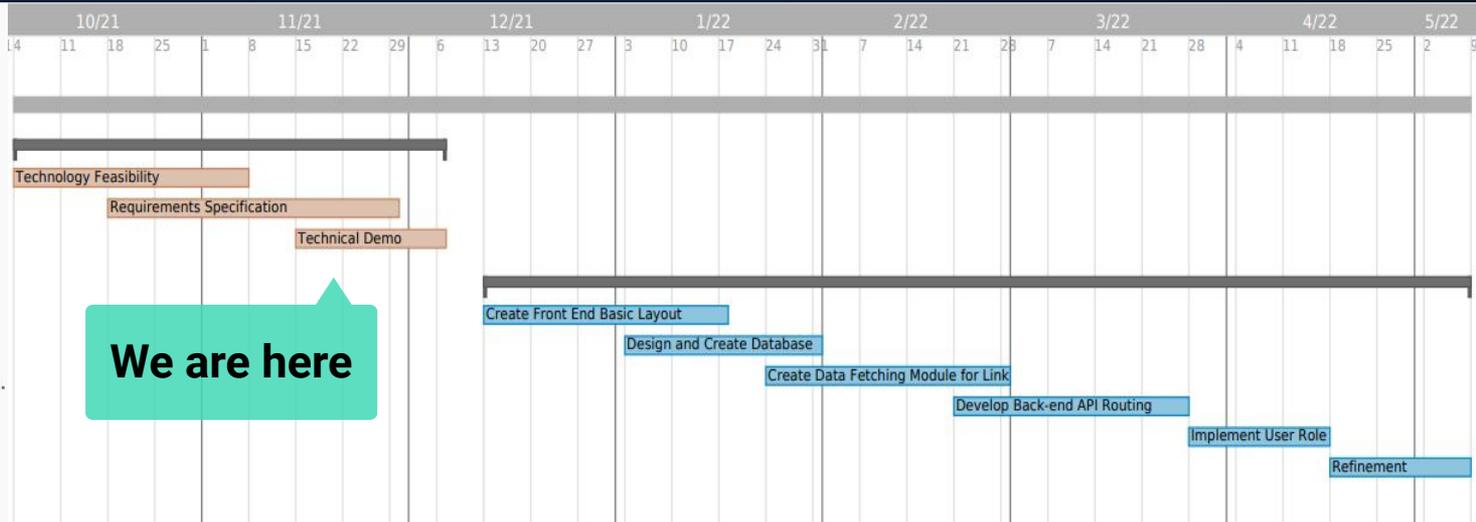
Team CareerNet Schedule

Documentation

- Technology Feasibility
- Requirements Specification
- Technical Demo

Software Development

- Create Front End Basic Layout
- Design and Create Database
- Create Data Fetching Module for Link...
- Develop Back-end API Routing
- Implement User Roles
- Refinement



We are Here

Conclusion

Importance

01



04

Key Points

The Problem

02



05

Outcomes

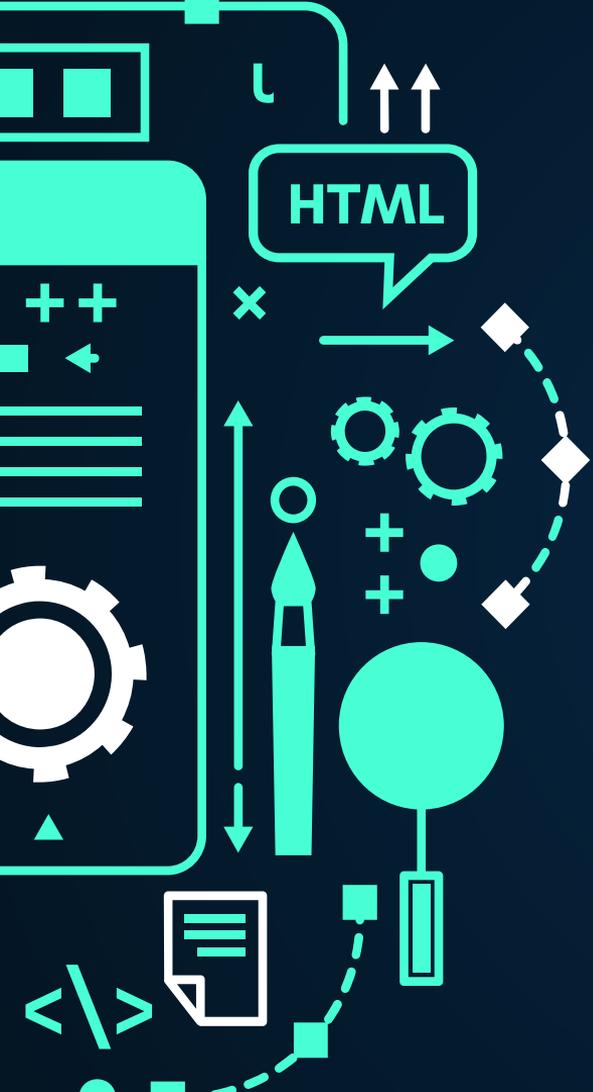
Solution Vision

03



06

Our Next Phase



THANKS!

Any Questions?