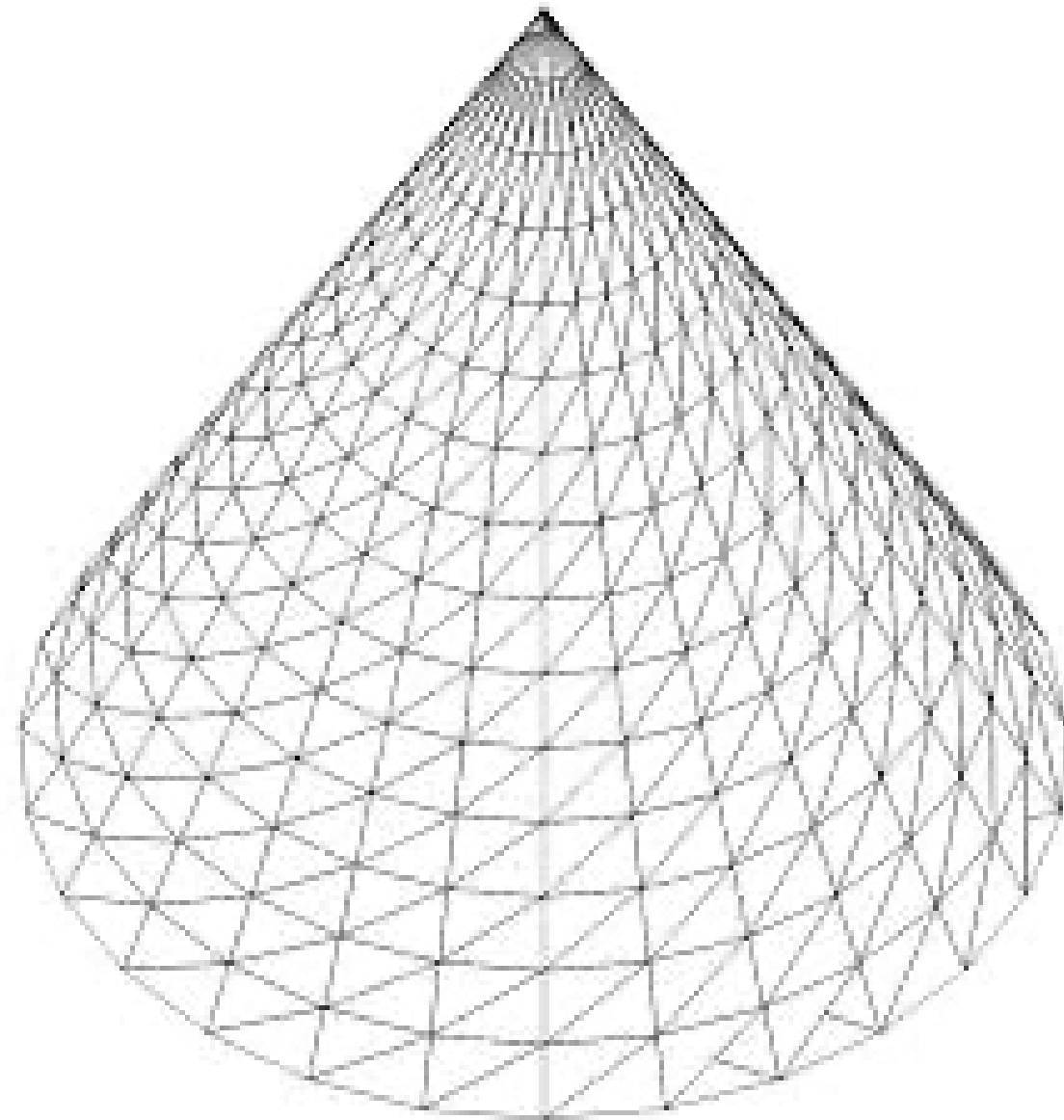


# DAVINA W.



CS410 Intro to Software Engineering - Spring 2026 · Project: TechConeTracker



## Requirements & Planning

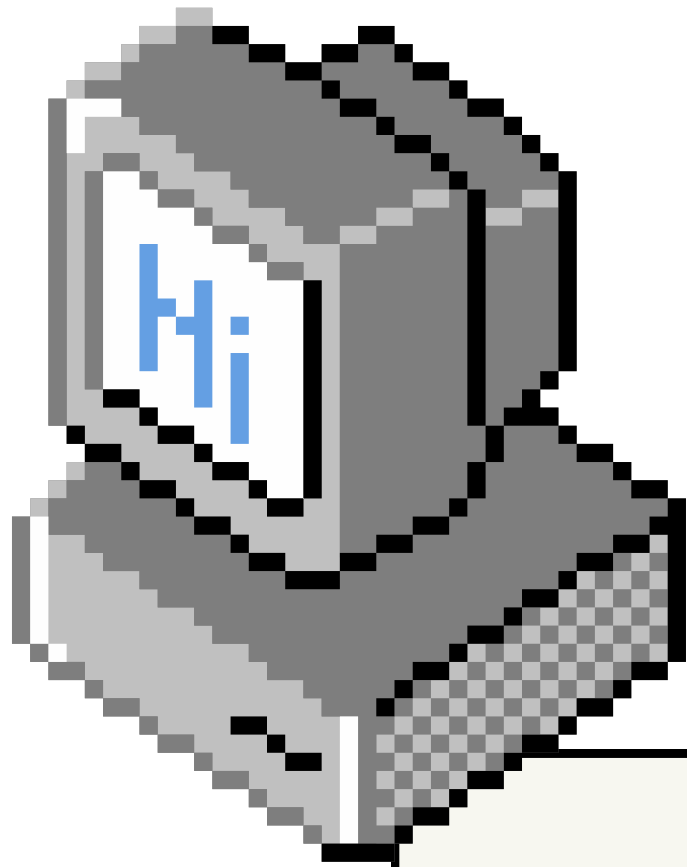
Read client document · Identified requirements · Created t1.txt · Collaborated with team

## Login & Authentication

Custom Auth (users/models.py): UMB email validator, CustomUser model, hashed passwords · EmailAuthenticationForm · Login/logout/redirect flow · Protected account deletion (@login\_required)

## Register Page & Backend

Password strength bar (Weak → Very Strong) · Real-time match indicator · validate\_password() · Dataset persistence + soft delete



# T-SHAPED SKILLS

## Deep Skills

Java & Object-Oriented Programming - primary language, OOP design patterns, AbstractBaseUser model architecture.

## Broad Skills

Git · C++ · Cybersecurity concepts  
· Software engineering ·  
Requirements analysis · Technical writing

## Evolved Through Project

Django auth systems · Password security UX · Soft-delete patterns ·  
Email validation · Requirements planning

# ADDITIONAL COMMENTS & PLANS

## What's Done

Custom auth (users/models.py) ·  
UMB email validator · Hashed  
passwords · Login via email ·  
EmailAuthenticationForm ·  
Login/logout/redirect ·  
@login\_required delete · Password  
strength bar · Match indicator ·  
Dataset soft delete  
(cone/models.py)

## Still in Progress

Finalizing Login & Create Account  
pages · Coordinating acceptance  
testing with client · Continued work  
through last class

## Research Topic

How AI affects copyright -  
explores opt-in/opt-out policies,  
compulsory licensing, and the  
challenge of protecting authors as  
LLMs ingest published works at  
scale.