

# The Unseen Portrait

A reflection on what we cannot see of ourselves

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## Inspiration

"People can only see what is in front of them, never the back of their own heads. That is why we need others to tell us what is behind us."

— Yang-Yang, Edward Yang's film *Yi Yi*



## Concept

- We can never truly see the back of our own head — a part of ourselves always hidden.
- This project explores how we perceive ourselves and what remains unseen in our blind spots.
- It invites reflection on identity, self-perception, and the unknown side of the self.

## The Unseen Portrait

Step 1: Please sit down

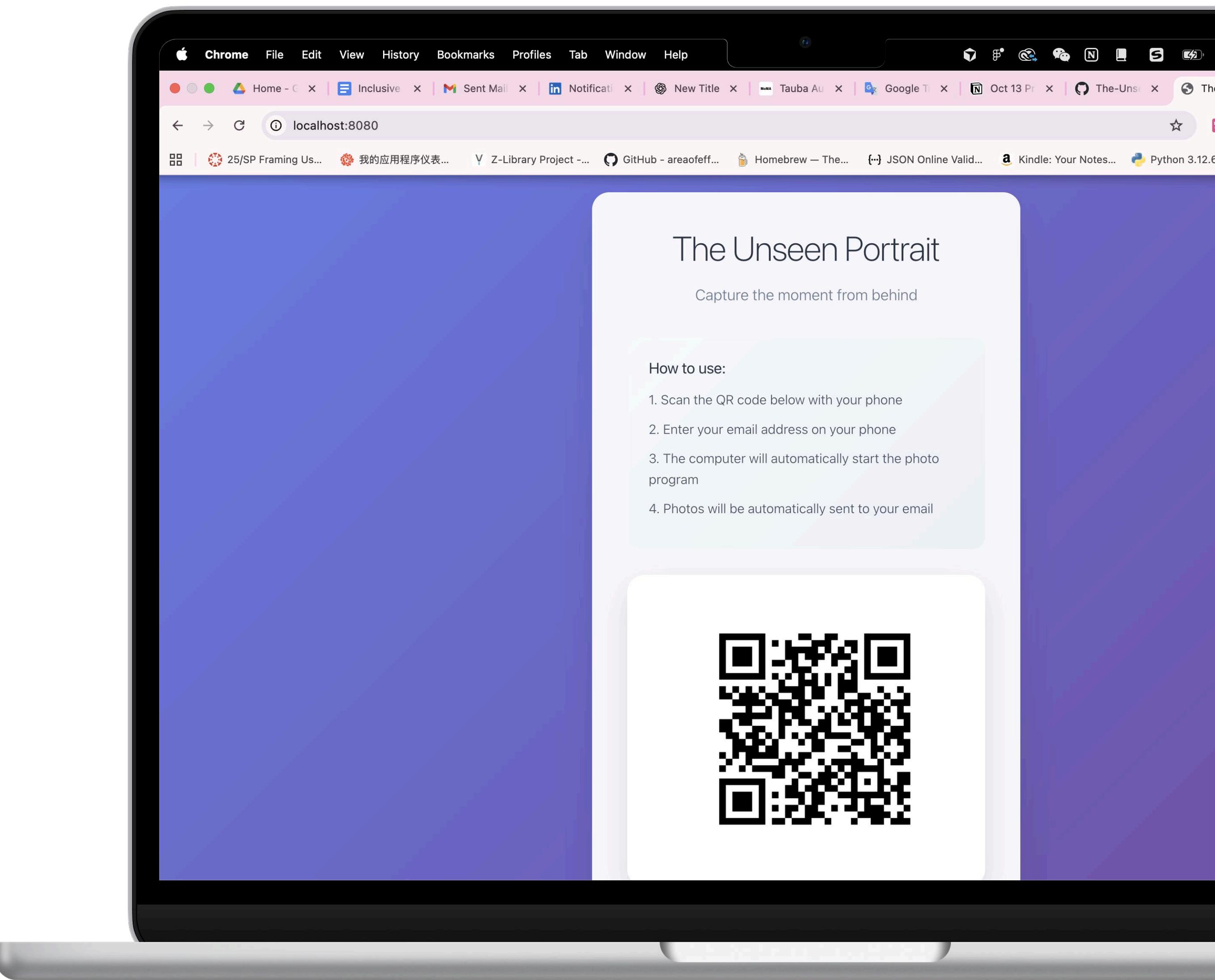
Step 2: Scan the QR code

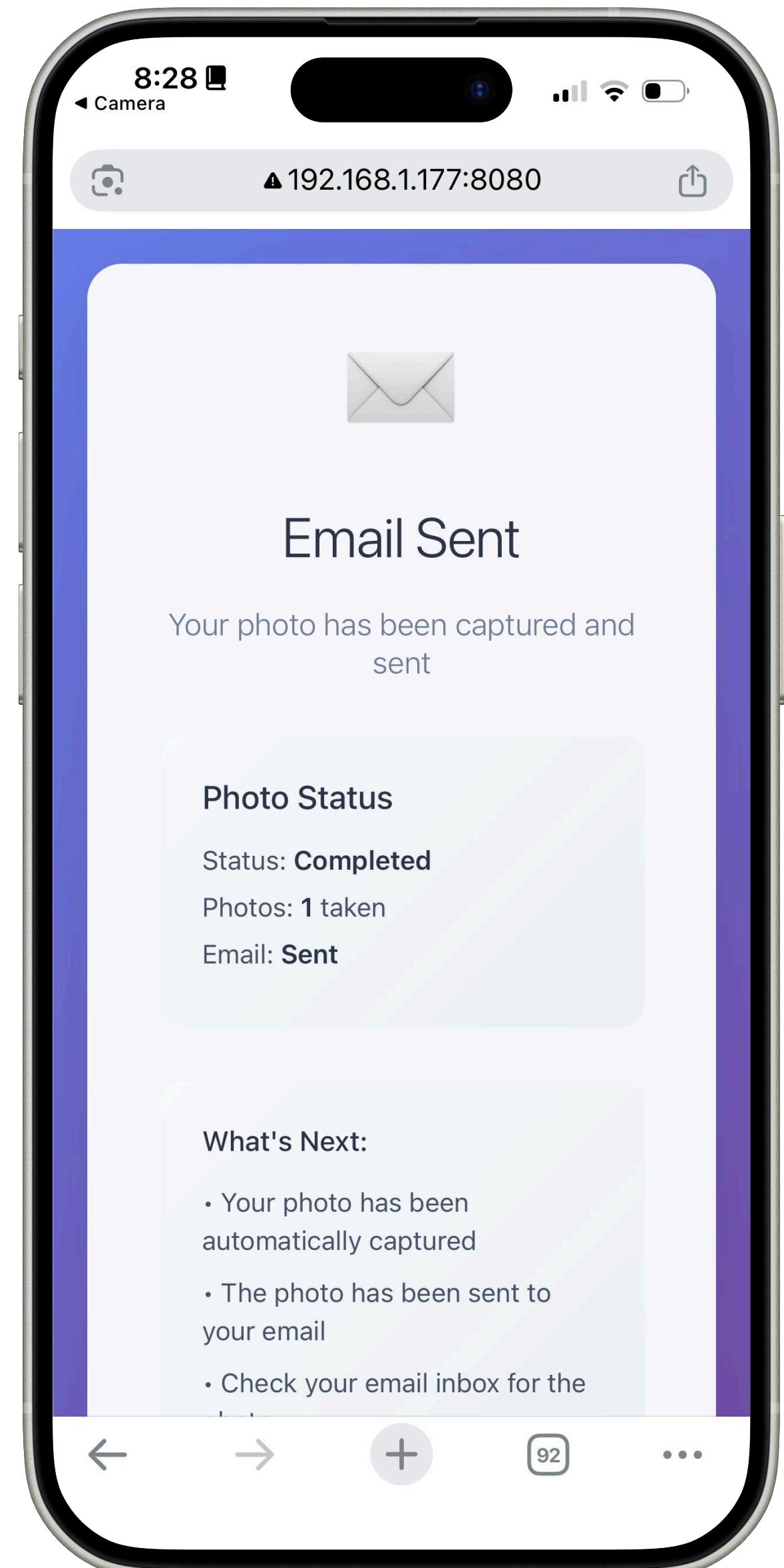
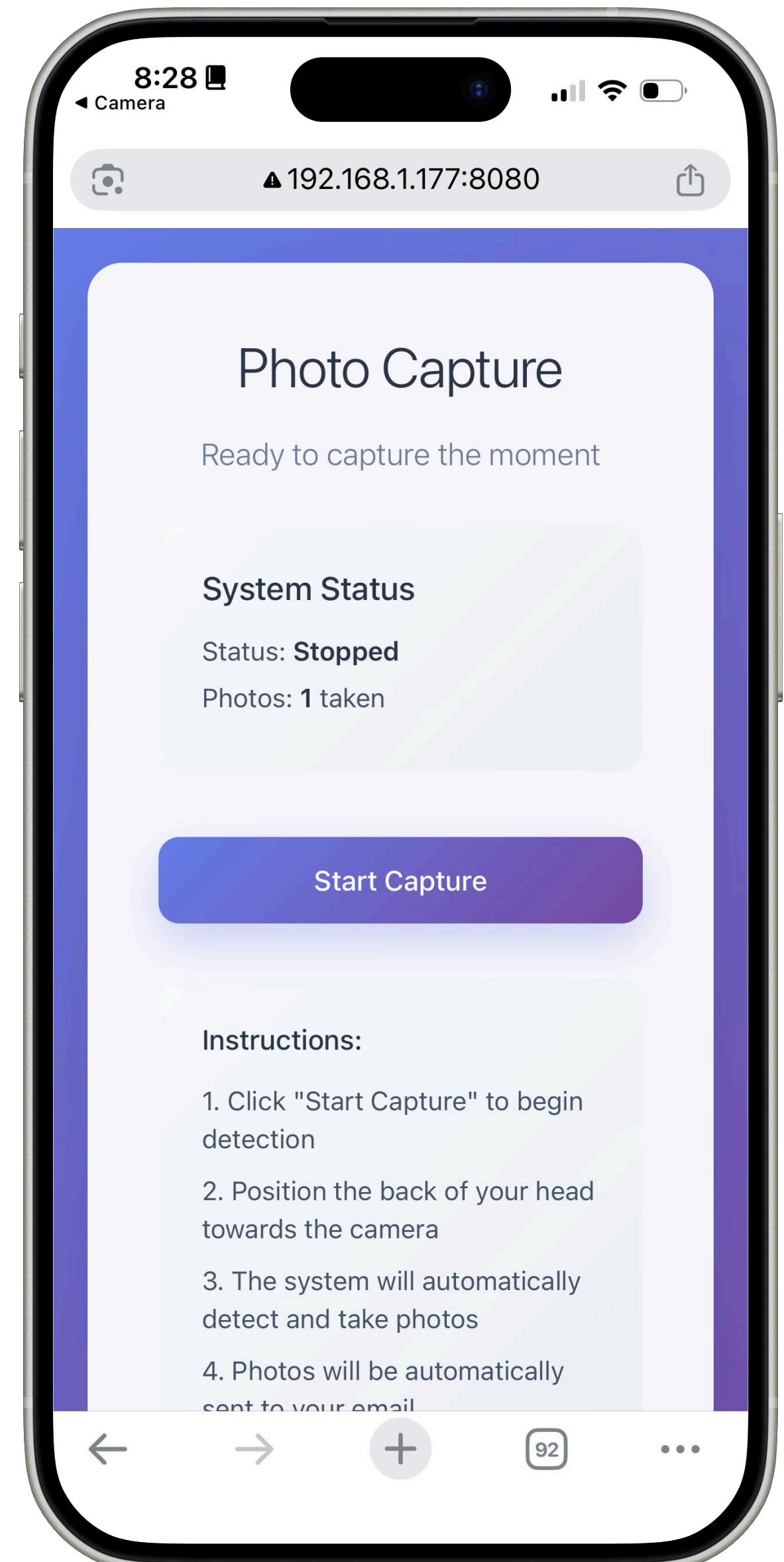
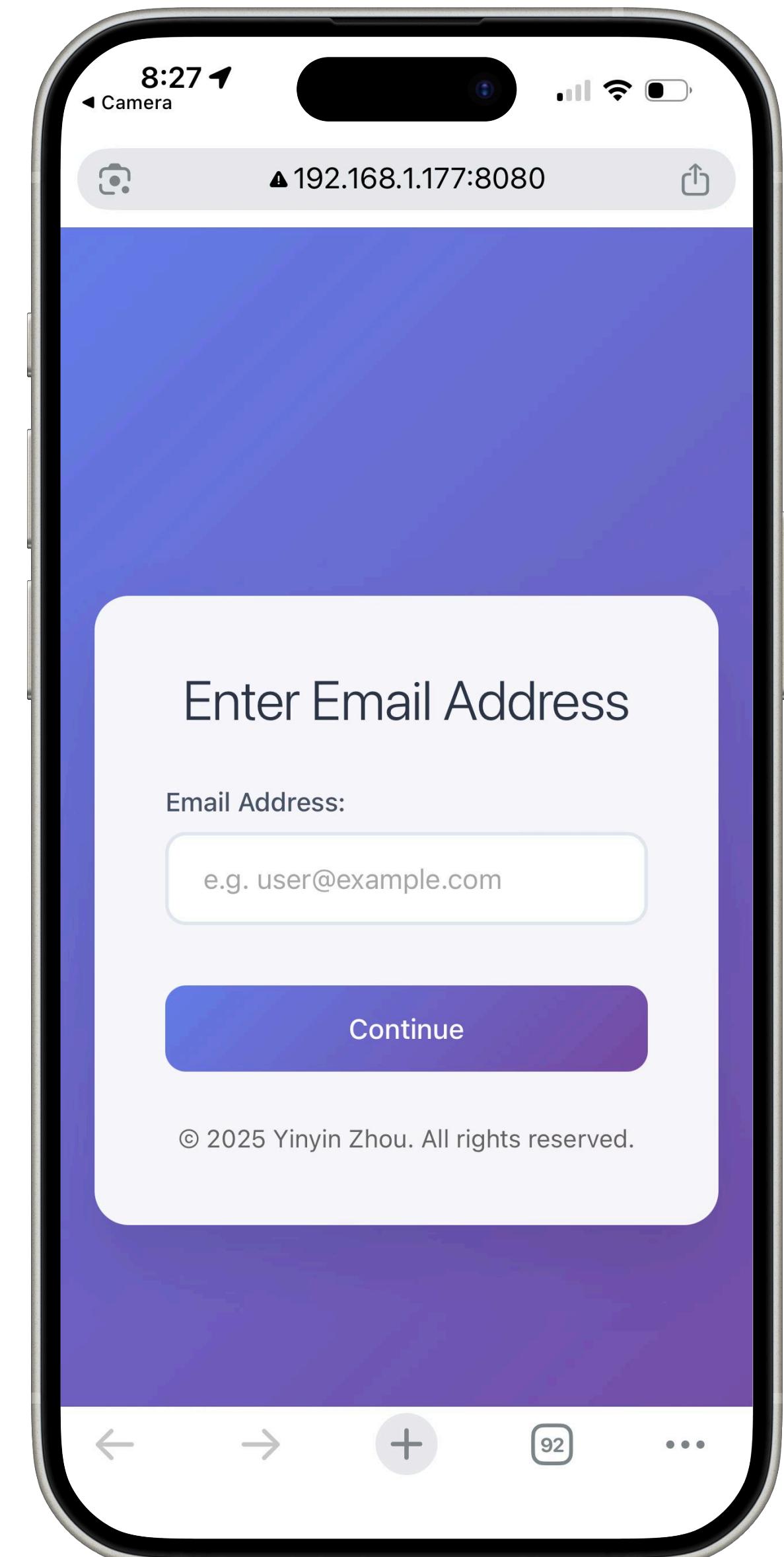


## Interaction Flow

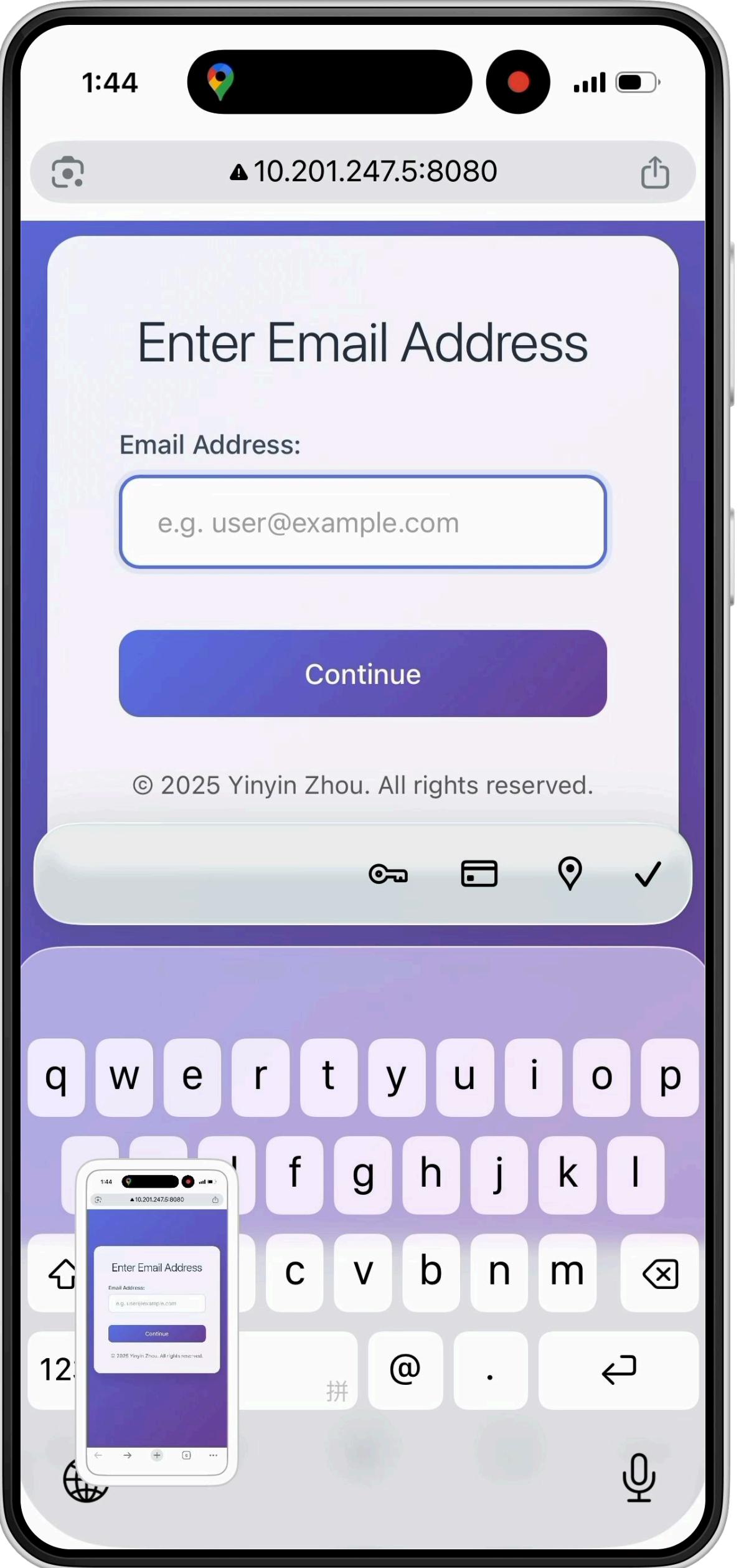
1. Sit down in front of the poster.
2. Scan the QR code with your phone.
3. Enter your email address.
4. Tap Start Capture.
5. A camera behind you automatically takes a photo of the back of your head.
6. The image is sent to your email. Revealing a perspective you've never seen before.

# Desktop designs





# Mobile designs



# Technical Framework



## COMPUTER VISION (OPENCV)

Detects the back of the head, filters out faces, and captures the image automatically.



## LIGHTWEIGHT WEB SERVER (PYTHON)

Handles QR code scanning, email input, and start/stop commands.



## EMAIL AUTOMATION (SMTP)

Instantly delivers the photo to the user's inbox.



## RESPONSIVE WEB UI

Simple mobile-friendly interface for real-time interaction.

# Thank You

