Motivation
- **600M Cases** of visual impairments predicted by 2040

Solution
- Automate setup process
- Package automation into intuitive GUI

Innovation
- Help more patients see by redefining surgery setup
- Uniquely identify patients by analyzing iris

Architecture
- **Robot API**
  - Send move signal to robot
- **Robot Controller**
  - `objectCoords()`

Patient Detection
- **Eye Detection**
- **Patient Recognition**
  - Queries
  - Database

Usability
- All patient data and controls packaged into intuitive GUI

Adaptability
- System only relies on QR code and patient visibility

Special thanks to
David Chu
Joshua Magera
Marcellis Carr-Barfield

Abby Wysopal • Kiet Nguyen • Ryan Mitchell • Michael Hau • Brent Luker