



# Development Engineering

CSEP 590 B

Digital Square Global Goods

Skye Gilbert & Richard Anderson

May 4, 2020

# Today

- Announcements
- Skye Gilbert, PATH
- Discussion with Skye

# Announcements

- Discussion Sections – Zoom – Attend one
  - Wednesday: 3:00-4:00 pm
  - Wednesday: 5:00-6:00 pm
- Homework 5, Due May 4.
  - Evaluate DHIS2 Covid-19 Module
    - Is it appropriate for the State of Washington?
  - Submit by email
  - Course grade based on 7 of 9 assignments

# Course Schedule

Date	Topic	Lead
April 6	Engineering the Vaccine Cold Chain	
April 13	Community Cellular Networks	Kurtis Heimerl
April 20	Remote Temperature Monitoring	Martin Lukac, Nexleaf
April 27	Election Monitoring	James Long
May 4	Global Goods Software	Skye Gilbert
May 11	Voice Based Social Networks	Aditya Vashistha
May 18	Fintech for Rural Networks	Jenny Aker
May 26	Water Sanitation and Health	Ashok Gadgil
June 1	Open Data Kit	Waylon Brunette
June 8	Development Engineering Discussion	Temina Madon and Anustubh Agnihotri

# Development Engineering

Technological interventions to improve human and economic conditions in low-resource settings

Technical aspects of development engineering  
Context for development engineering

How is development engineering practiced in different settings and domain

# Technological interventions to improve human condition

- Assumption: Digital technologies improve health systems which improves the human condition
- Medical record systems, health logistics, health data collection, laboratory management, case reporting, aggregating health indicators

# Technical aspects of Global Good software

- Appropriate design of software technologies for developing countries health systems
  - Technology management
  - Localization
  - Integration
  - Software evolution
  - Open systems

# How is development engineering practiced

- Global goods software
  - Global health governance and country health systems are top down
    - Policy, funding, and management
  - Software innovation is bottom up
- Challenges around software chaos and irrational funding
- Management between donor level and technology level



# Today – Global Goods

- Skye Gilbert
  - PATH
    - Executive Director, Digital Square
    - Deputy Director, Digital Health
  - Bill and Melinda Gates Foundation
    - Strategy Officer
    - Program Officer, Vaccine Delivery
  - Logistimo (India)
    - Business Officer



Over to you Skye. . .