

Human-Computer Interaction Programming Studio

Philip Guo
Ian Drosos & Sean Kross

Theme: Personal Informatics



ResearchKit

A software framework for apps that let medical researchers gather robust and meaningful data.



CareKit

A software framework for apps that let you better understand and manage your medical conditions.



Passive Detection of Atrial Fibrillation Using a Commercially Available Smartwatch

Geoffrey H. Tison, MD, MPH¹; José M. Sanchez, MD¹; Brandon Ballinger, BS²; [et al](#)

IDE

- Atom: <https://atom.io/>

The Command Line

- Mac:
 - Terminal
 - iTerm: <https://www.iterm2.com/>
- Windows:
 - Git Bash
 - Cygwin
 - Babun
 - Powershell

#ad

The Unix Workbench



Sean Kross

<http://seankross.com/the-unix-workbench/>

Git / GitHub

- Install Git: <https://git-scm.com/>

NodeJS

- <https://nodejs.org/en/>

Glitch

- <https://glitch.com/>

Glitch Tutorial on JS

- <https://glitch.com/~javascripting>

Team-Formation

3-4 people per team required

Post on Piazza to find potential team members with similar interests

Let us know on Piazza if you are having trouble finding a team

“If you cannot find a team by the Add Deadline, then you cannot remain in the course.” (end of week 2)