CNS-1652538: CPS:CAREER: Internet of Wearable E-Textiles for Telemedicine

NSI

Project Name: "Kaya"





Project Leads



Kunal Mankodiya Principal Investigator Wearable IoT



Umer Akbar, MD
Neurologist
Clinical Expert
Parkinson's & DBS



Nick Constant
PhD Researcher
Research Lead
Internet of Things

Project Team



Nathan Ankomah-Mensah Former Undergrad Intern Fog Computing

Andrew Peltier Undergrad Intern Software & App

Matt Constant
Former Undergrad
Intern
Embedded Systems

Shimra Jaime Fine Grad Researcher Textile Science



Brandon Paesang
Former Undergrad
Intern
Textile Design



Vanessa Kamara Undergrad Intern Wearable Sensors



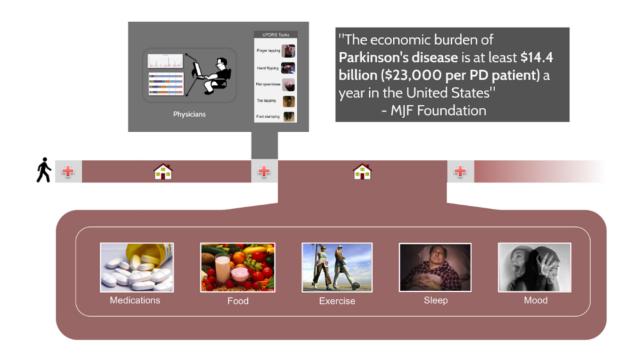
Renee Gordon Former Undergrad Intern Wearable Sensors





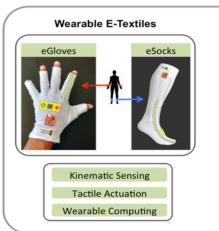
Josh Gyllinsky PhD Researcher Computer Engineering

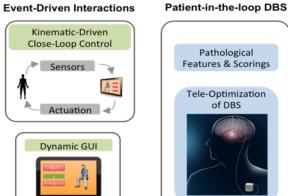
Sahil Kargwal
Former Undergrad
Intern
Textile Engineering











COOCO

Stream

Data-Assisted Decision Support

long-term practice history, therapy analytics, medical profile

context on practice history, conditioning, real-time analysis, and store relevant exercises

bridging protocols and provide user interface

streaming glove data, minimal

Decision Support



Personalized Patient Interactions

Edge





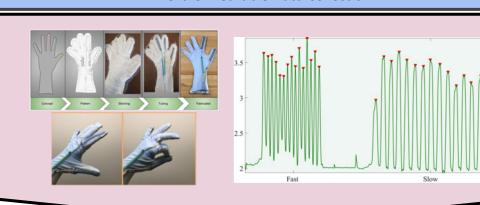


Patients



E-Textile Wearable Data Collection

Things



Wearables



Project Findings

