**Big data analytics for health care**

- Wearable, implantable devices, printable/flexible bioelectronics and 3D printing
- Body sensor networks
- Context awareness, multi-sensor data fusion
- Data inference, mining, and trend analysis
- Quality of service, trust, security, and light-weight communication protocols
- Sensor-based mHealth App
- Medical image processing and visualization
- Content-based image retrieval
- Teleradiology
- Augmented reality
- Cognitive computing for healthcare delivery and disease management
- Data breach prevention and security
- E-commerce solutions for healthcare

**Bioinformatics for Precision Medicine**

- Telehealth and Telemedicine
- Health data acquisition, transmission, management and visualization
- Information technologies for healthcare delivery and management
- Healthcare communication networks
- Knowledge discovery and decision support
- Translational bioinformatics
- Outcomes research applications
- Public health management solutions
- Informatics for chronic disease management
- Formalism for healthcare modeling and informatics solutions
- Platforms/solutions for precision medicine
- Healthcare modeling and simulation
- Algorithms for Natural language processing and clinical pattern recognitions
- Health information systems and convergence of health

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