

Dr. Ramin Ramezani

CONTACT INFORMATION

Room 540, Center for Smart Health
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University of California Los Angeles

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CURRENT APPOINTMENTS

Managing Technical Director November 2015 to present
Clinical and Translational Science Institute
David Geffen School of Medicine, University of California, Los Angeles

Adjunct Assistant Professor June 2015 to present
Department of Computer Science
University of California, Los Angeles

Scientist November 2014 to present
Center for Smart Health
University of California, Los Angeles

- Research Areas: Data Science, AI, Signal Processing, Big Data Analytics for Healthcare, Remote Health Monitoring

FORMER APPOINTMENTS INDUSTRIAL EXPERIENCE

Chief Technologist June 2013 to November 2014
Big Data and Analytics Unit
Institute of Global Health Innovations, Imperial College London

- Overseen by UK's former health minister: Professor Ara Darzi
- Domains: Big Data, Health Policy, Medical Robotics

Honorary Research Scientist January 2015 to present

- Department of Surgery and Cancer, Imperial College London

Service Manager April 2005 to August 2006
Samsung Electronics

- Member of managing team, supervising 200+ authorized service centers

Technical Trainer 2004 to 2005
Sony Electronics, LG Electronics

EDUCATION

Imperial College London, London, UK

Ph.D., Artificial Intelligence, July 2014

- Thesis Title: *An Artificial Intelligence Framework for Investigative Reasoning*
- Advisor: Professor Simon Colton
- Area of Study: Machine Learning, Constraint Solving, Automated Theorem Proving, Combined Reasoning, Logic

Lancaster University, Lancaster, UK

M.Sc., Digital Signal Processing, September 2007

- Thesis Topic: *Implementation of Background Modeling and Evolving Fuzzy Rule Based Classifier for Real Time Novelty Detection and Object Tracking*
- Supervisor: Professor Plamen Angelov
- Area of Study: Intelligent Systems, Evolving Intelligence, Neuro-Fuzzy Systems

Bangalore University, Bangalore, India

B.Sc., Computer Science, September 2004

- Graduated with honors
- Electronics and Mathematics specialization

HONORS AND AWARDS	<p>Imperial College London</p> <ul style="list-style-type: none"> • Engineering and Physical Sciences Research Council PhD Studentship • Department of Computing PhD scholarship: to work on “A Cognitive Model of Axiom Formulation and Reformulation with Application to AI and software engineering” <p>Lancaster Univesity</p> <ul style="list-style-type: none"> • Overseas Research Students Awards Scheme (ORSAS) Ph.D. Scholarship: to work on “LDPC codes”. (Total 8 scholarships for the entire university) • Nokia Award for the best M.Sc project, September 2007 • Graduated with Distinction (Top Three), Dept. of Communication Systems, September 2007
HARDWARE AND SOFTWARE SKILLS	<p>Machine Learning and Automated Theorem Proving Systems:</p> <ul style="list-style-type: none"> • Weka, Progol, Aleph, HR, OTTER, Mace, <i>Pe-pl</i> Stochastic Logic Programming for Probabilistic Inferences <p>Computer Programming/Experiences:</p> <ul style="list-style-type: none"> • C, C++, Java, Python, VHDL, Prolog, Perl, UNIX shell scripting, Matlab, AWS, Azure, SQL, Android
TEACHING EXPERIENCE	<p><i>Health Analytics</i></p> <ul style="list-style-type: none"> • Winter 2018, UCLA CS Dept, Graduate Level Course (class of 70 students) <p><i>AI and Health Informatics</i></p> <ul style="list-style-type: none"> • Spring 2017, UCLA CS Dept, Graduate Level Course (class of 40 students) <p><i>Mathematical Methods</i></p> <ul style="list-style-type: none"> • Fall 2011, Imperial College, Undergrad Course (class of 10 students) <p><i>Programming Logic-Prolog</i></p> <ul style="list-style-type: none"> • Imperial College (class of 40 students) <p><i>Error Correcting and Detecting Codes</i></p> <ul style="list-style-type: none"> • Fall 2007, Graduate Level Laboratory, Lancaster University (class of 30 students)
GRANTS	<p>Co-Investigator “Quantified-self for obesity: Physical activity behaviour sensing to improve health outcomes from surgery for severe obesity”, EPSRC, £350,000 granted, 2014–2015</p> <p>Co-Principal Investigator “Sensing At Risk Populations (SARP): Monitoring performance status, activities of daily living, and independence to promote safe outcomes for elderly patients in rehab, the home and long-term care.” NIH: DHHS-Agency for Health Care Research and Quality, R01HS024394-01, \$1.5m</p>
PUBLICATIONS	<p>Google Scholar Citations</p>