

Arman Anzanpour

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EDUCATION

- **Information and Communication Technology** — Ph.D. *University of Turku, Turku, Finland, 2025.*
- **Biomedical Engineering** — M.Sc. *Amirkabir University of Technology, Tehran, Iran, 2007.*
- **Metallurgy Engineering** — B.Sc. *Ferdowsi University of Mashhad, Mashhad, Iran, 2004.*
- **Machine Learning Summer School**, *University of Zurich, Zurich, Switzerland, Jun 2018*
- **IoT360 Summer School**, *EAI - European Alliance for Innovation, Rome, Italy, Oct 2015*

CURRENT POSITIONS

Postdoctoral Researcher

University of Turku, Department of Computing, Digital Health Technology Group

- **NewLife** Project: Research and Development of Smart IoT-Based Data Systems for Maternal and Newborn Health Monitoring

RESEARCH OUTPUT

- **One Pending Patent** — US Patent App. 17/669,984, 2019
- **42 Publications** — Two book chapters, 15 journal papers, 23 conference papers, and two theses
- **3214 Citations, h-index: 23**
- **Evaluation of Academic Papers** — 10 journal and 2 conference papers
- **Contribution in Project's Final Review Demonstrations** — 2 Projects
APPLAUSE: January 2022, Paris, France
Moore4Medical: September 2023, Maastricht Hospital, Netherlands
- **Contribution in Preparation of Funding Applications** — 25 Applications
BODIREK, Apollo, AvaTe, AVE, CLEVER, DETER, DP4Health, FiRi, HOPE, iCardio, InterSys (accepted), IoCT-CARE (accepted), O-Beat, PASI (accepted), PDSense, Personicle, PREVENT (accepted), RESCUE, SAGE-CPSoC (accepted), Shared-Awareness, SLIM (accepted), UNITE (accepted), HospitalPATH, D-CCC (accepted), Dementia Caregiver (accepted)

RESEARCH SUPERVISION

- **Three Master Students** — Weijun Gao (2023), Homayun Rashid (2018-2019), Abdolakim Oduimbaku (2014-2015)
- **Five Summer Interns** — Mohamed Amini Alaoui (2016), Anthulla Dushi (2017), Victor Sarker (2017), Clémence Lhéritier (2017), Alexis Pinon (2018)

EXPERIENCES

- **Research, Development and System Design within 7 Projects** — *Mar 2015 till now*
University of Turku, Department of Computing, Digital Health Technology Group,
NewLife, RM4Health, Moore4Medical, APPLAUSE, SAFE, IoCT-CARE, and SPA projects
- **Visiting Scholar** — *Oct 2018 - Jan 2019, University of California Irvine, CA. USA.*
- **Web Developer** — Within other projects
Institute for Future Health (IFH) and HealthSciTech research group, University of California Irvine, USA.
Turku Centre for Computer Science (TUCS), Health Technology research group, IoT4Health research group, University of Turku, Finland.
- **Developer and Founder of Charterz app** — *Nov 2013 - Apr 2018*
The first cheap flight search engine in Iran, stayed 5 years in the market, well-received by customers, and won the best Android app development award in the country.

TEACHING EXPERIENCE

- **Teaching Assistance of 19 Courses:** Biomedical Engineering and Health Technology Labs (2022-2026), System Engineering Labs (2021 & 2022), Medical Instrumentation (2020-2026), IoT Systems: Design And Applications (2019), Embedded IoT Programming (2017), Cyber-Physical Systems (2015 & 2016), DELTA 2015 Summer School on Internet of Things for Health (2015)
- **Teacher of 6 Courses:** Introduction to Raspberry Pi board (2015), Fundamentals of Web Design (2010), PHP: Web Programming Language (2004), Visual Basic Programming (2003), MATLAB Programming (2003), Application of Computer in Material Science (2003)

AWARDS

- **Best paper award** — CHASE 2023 Conference, USA
- **Best paper award** — ANT 2019 Conference, Belgium
- **Research excellence award** — Nokia Foundation, 2018
- **Research excellence award** — Finnish Foundation for Technology Promotion (TES), 2018
- **Best paper award** — ACM MobiHealth Conference, 2017, Austria
- **Best idea and implementation award** — IoT360 Hackathon, Rome, Italy, 2015
- **Best Android programmer award** — IranMobiCode 2014 Festival, Tehran, Iran, 2014
- **Third prize for idea and app development** — 6th Tehran Startup Weekend, Iran, 2013
- **7th place for idea/app development** — Global Startup Battle, Coca Cola Sponsorship, 2013
- **Selected in top 100 photographers of Iran** — The 11th Iranian National Photo Biennial, 2008
- **Selected for the world best poster design** — Issued by Poster for Tomorrow Association, 2009, 2010, 2011, 2012, 2014 and 2018 competitions, Paris, France.

SKILLS

- **Software development and programming:** Proficient in Python, C++, JavaScript, PHP, SQL, MATLAB, Visual Basic | familiar with Java and C# | Full-stack web application development using HTML5, CSS3, JavaScript, jQuery on the front end and PHP, Python, and Node.js on the back end | Multiplatform mobile app development
- **Hardware development:** Wireless sensor network design and development | Medical sensor node development | Microcontroller programming | Wireless communication
- **Data science & big data engineering:** Biomedical signal processing, Data analysis/management of large datasets, Cloud platforms/tools (AWS, Azure) Data engineering and streaming tools (Snowflake, Airflow, Kafka), Databases (MySQL/MariaDB, MSSQL, MongoDB, InfluxDB), Linux server and cloud platforms, Machine learning

Tech

- **Design:** Expert in 3D modeling (AutoCAD), 3D printing, and 2D graphic design (Corel DRAW, Corel Photo-Paint, Adobe InDesign & Photoshop)

Art

- **Scientific graphic design:**
- **Cover design:** Event Mining for Explanatory Modeling (ACM Books, 2021), IEEE Journal of Biomedical and Health Informatics, (Nov 2018, V22, N6)
- **Logo design:** IoT4Health group, *University of Turku (2015)*, Digital Health Technology group, *University of Turku (2019)*, HealthSciTech group, *University of California Irvine (2019)*, Institute for Future Health, *University of California Irvine (2021)*
- **Website design:** <http://iot4health.utu.fi/>, <https://healthtech.utu.fi/>, <https://healthscitech.org/>, <https://futurehealth.uci.edu/>, <https://tucs.fi/>
- **Hundreds of scientific images, posters, and presentations** (1998-2025)

CERTIFICATES

- **ETL and Data Pipelines with Shell**, Airflow and Kafka Authorized by IBM through Coursera, July 2024
- **Data Collection with Telegraf**, Issued by InfluxData, June 2024
- **MySQL Advanced Topics**, Issued by LinkedIn Learning, July 2024
- **Full Stack Web Development with Flask**, Issued by LinkedIn Learning, July 2024