

Seminario CILL Informatica

Mercoledì 11 maggio 2022 ore 12 Aula A2 e virtuale

Dr. Tamie Salter

PhD in Computer Science/Robotics

Founder of Citizen Alert Inc.

The Technological and Business Fundamentals for Mobile App Development


Computer science can involve more than simply learning traditional topics such as programming, algorithms and AI. To truly to be a skilled computer scientist you must have an understanding of how end users use the software that you produce. You must understand the complexities of human nature so that you can develop software that truly benefits the end user. There has long be a bridge missing between two disciplines 1) computer science and 2) business. Business students are taught the complexity of human nature and of targeting a product to an end user but have no real understanding of the complexities of developing software. Computer science students are taught the complexity of programming, algorithms, data structures, compression algorithms and such but barely hear about target markets. In my soon to be published book I go over the fundamentals of developing mobile apps not simply from a computer science point of view or from a business point of view but from a **core stream** that everyone involved in the project must know.





Dr. TAMIE SALTER

Chief Technologist/Robotics/Prof

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EDUCATION

Stanford University, USA,
Technology Entrepreneurship
Jan '16 – June '16

University of Hertfordshire, UK,
Ph.D. in Robotics (HRI)
Oct '01 – Dec '06

Title: *Sensor Based Recognition of Interaction Patterns Between Children and Mobile Robots*

University of Hertfordshire, UK,
BSc Computer Science (Hons)
Sept '97 – Jul '01

Courses included: Artificial Intelligence (Intro & Advanced) & Artificial Neural Networks

PROFESSIONAL SKILLS

- Manager of multidisciplinary teams
- Problem solver
- Hard worker who demonstrates integrity and perseverance
- Very strong Networker/Communicator
- Presenter who adapts well to different audiences
- Many competences
- Work with C Level Executives to Interns
- Passion for making great software
- Passion for innovation
- Creative idea generator

RECENT WORK

Founder, Citizen Alert Inc., Jul 2019 - Present

- Development of a commercial communication/notification system
www.citizenalert.ca
- Commercial Software/App Development (Web/iOS/Android)
- Overseeing all aspects of software development: Design/Coding/Business

Chief Technologist, Innotime Technologies Inc., Jan 2017 – Nov 2018

- Developing a robotic device aimed at HRI
- Software development & hardware development (*mechanical & electrical*)
- Overall product development & strategy
- Budgeting & working with business development executives. General management, manufacturing, distribution & customer liaison

Adjunct Professor of Computer Science, Bishop's University., Jan 2009 – Present

- Developing a Mobile App: Course developed by me, which includes key factors to developing an app that is user-friendly and competitive from a business point of view, basic programming
- Advanced Programming of a Mobile App: Again developed by me which includes good programming techniques. MVVM, MVC, forward thinking, naming conventions, etc.
- Introduction to Networking: Protocols, including bugs, HTTP(S), FTP, where the future of networking is going (TOR), etc.

Founder/C.E.O, Que Innovations Inc., Jan 2009 – Dec 2016

- Robotic product development (acquired by Innotime Technologies Inc)
- Software: mobile apps, web technologies & firmware

HONOURS AND AWARDS

- 2018 31 peer-reviewed scientific publications
- 2016 Achieved Top Five on the Stanford University 'Technology Entrepreneurship' Course
- 2015/2016 Judge at the 'Hack Estrie' event: <http://hackestrie.ca/>
- 2015 Winner at Google. A robotic device under my development came 3rd in a Google Play Competition for new autism rehabilitation products
- 2014 Lead developer/Owner on US PATENT NO: 8910734
- 2012 Winner at ComputerWorld. Under my direction, Que Innovations was named a ComputerWorld Honors Laureate at the 'Heroes of Technology Awards' alongside Microsoft and Dell
- 2012 Guest judge/committee member at the world renowned 'Holland Bloorview Paediatric Rehabilitation Centre'
- 2012 Board member: International Conference of Social Robotics (ICSR)
- 2007 My Ph.D. was nominated for the 'Chancellor's Medal for Outstanding Achievement in a Doctoral Research Program'
- 2003 Presenting at 'Britain's Top Younger Scientists', House of Commons, London

A more extensive CV and references are available upon request.