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Senuri Wijenayake

PhD Candidate | Human Computer Interaction Group, University of Melbourne

**Full Stack Developer**

Tracified, 99X Technology, Sri Lanka.

* Based on the concept “Trust Through Traceability”, [Tracified](https://tracified.com/) can be used by vendors of premium products (e.g., organic food, gems) to provide transparency into their product’s journey from its origin to the marketplace ([demo](https://youtu.be/wMzS2Ddu-ro)).
* **Responsibilities:**
* Software development using TypeScript, NodeJs and AngularJs.
* Leading a 20+ team of Developers, UX Engineers and Quality Assurance Engineers and overseeing the scrum activities as the team's Scrum Master.
* Communicating with current and potential clients for product engineering and customisations.

**Aug 2017 – Jun 2018**

**Academic Tutor**

School of Computing and Information Systems, University of Melbourne, Australia.

* Experience conducting both physical and online tutorials for graduate and undergraduate students.
* Received the **Excellence in Tutoring Award** in recognition of the excellent contribution to tutoring in School of Computing and Information Systems for 2019.
* Mentoring a postgraduate [HCI Project (INFO90008)](https://handbook.unimelb.edu.au/subjects/info90008) investigating social conformity in online group chatting environments.
* **Course Modules Tutored:**
  + [Evaluating User Experience (INFO90004)](https://handbook.unimelb.edu.au/2020/subjects/info90004)
  + [Fundamentals of Interaction Design (INFO10003)](https://handbook.unimelb.edu.au/2020/subjects/info10003)
* **Certifications:**
  + [Melbourne Teaching Certificate for Graduate Researchers](https://www.senuriwijenayake.com/files/MTCGR2019.pdf) awarded by the Melbourne Centre for the Study of Higher Education, University of Melbourne.
  + [Foundations of Teaching and Learning for Graduate Researchers](https://www.senuriwijenayake.com/files/FTLGR2019.pdf) awarded by the Melbourne Centre for the Study of Higher Education, University of Melbourne.

**Jan 2019 – Present**

**EDUCATION**

**Jul 2018 – Present**

**PhD in Computer Science**

School of Computing and Information Systems, University of Melbourne, Australia.

**Thesis:** Understanding Dynamics of Online Social Conformity

**Supervised By:** Dr. Jorge Goncalves and Prof. Vassilis Kostakos

**May 2013 – Oct 2017**

**BSc. (Hons) Information Technology**

Faculty of Information Technology, University of Moratuwa, Sri Lanka.

**Highlights:**

* **Gold Medal for the Best Academic Performance** for the 2017 at the BSc. (Hons) IT Examinations.
* **Gold Medal for the Most Outstanding Student of University of Moratuwa** for 2017 for outstanding academic performance, research contribution, volunteer work and extra-curricular activities.

I am reading for a PhD investigating how socio-psychological factors such as social conformity influences human behaviour in online group settings. I am currently seeking an internship in the areas of Social Computing and Human Computer Interaction, where my experience conducting user studies (online and offline) will be utilised to resolve novel challenges, as well as to contribute towards research publications. I have previously worked as a Full Stack Software Engineer at 99X Technology, Sri Lanka leading a team of 20+ individuals developing “Tracified” - a novel food traceability solution.

**EXPERIENCE**

**PROFILE**

**Mar 2016 – Sep 2016**

**Software Engineering Intern**

PicaSix, 99X Technology, Sri Lanka.

* Developed a web-based supply chain management system for PicaSix to combine and align process of complex supply chains between importers, suppliers, production, wholesalers and end-consumers.
* **Responsibilities:**
  + Software development using AngularJs, JavaScript, HTML, CSS and Ruby on Rails.
  + Researching and deploying the server as a Docker container.

**Aug 2014 – May 2015**

**Undergraduate Developer**

E-kilder, Embla Software Innovations, Sri Lanka.

* Developed an interactive website to digitise handwritten information of Norwegian church books (available as scanned images) through crowdsourcing and use that information to enable users to discover and graphically illustrate their family trees.
* **Responsibilities:**
  + Full stack software development using HTML, CSS, JavaScript, C#, Entity Framework and SQL Server.
  + Communicating with the Product Owner and the Business Analyst for requirement gathering, customisations and technical walk-throughs.

**PUBLICATIONS**

**CSCW 2020**

**Quantifying the Effect of Social Presence on Online Social Conformity**

**S. Wijenayake**, N. van Berkel, V. Kostakos and J. Goncalves

Proceedings of the ACM on Human-Computer Interaction, 4 (CSCW1), 55:1 - 55:22

**Bots for Research: Minimising the Experimenter Effect**

**S. Wijenayake**, N. van Berkel, J. Goncalves

In International Workshop on Detection and Design for Cognitive Biases in People and Computing Systems (CHI’20)

**CHI 2020**

**Impact of Contextual and Personal Determinants on Online Social Conformity**

**S. Wijenayake**, N. van Berkel, V. Kostakos, J. Goncalves

Computers in Human Behaviour

**CHB 2020**

**Measuring the Effects of Gender on Online Social Conformity**

**S. Wijenayake**, N. van Berkel, V. Kostakos, J. Goncalves

Proceedings of the ACM on Human-Computer Interaction, 3 (CSCW), 145:1 - 145:24

**CSCW 2019**

**CSCW 2019**

**Crowdsourcing Perceptions of Fair Predictors for Machine Learning: A Recidivism Case Study**

N. van Berkel, J. Goncalves, D. Hettiachchi, **S. Wijenayake**, R.M. Kelly, V. Kostakos

Proceedings of the ACM on Human-Computer Interaction, 3 (CSCW), 28:1 – 28:22

**Improving Accuracy in Mobile Human Contributions: An Overview**

N. van Berkel, M. Budde, **S. Wijenayake,** J. Goncalves

Adjunct Proceedings of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp’18 Adj.), 594 - 599

**UbiComp 2018**

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**AWARDS & SCHOLARSHIPS**

* **Excellence in Tutoring Award** offered by the School of Computing and Information Systems, University of Melbourne in recognition for an excellent contribution to tutoring in 2019.
* **Rowden White Scholarship** awarded based on academic merit by the University of Melbourne for year 2018.
* **Melbourne Research Scholarship** offered by the University of Melbourne (2018 – present).
* **Best Paper Award** at the Big Data Analytics for Social Computing (BDASC’18) for paper titled “A Decision Tree Approach to Predicting Recidivism in Domestic Violence”.
* **Gold Award** in Retails and Supply Chain Management at the **National Best Quality Software Awards** Sri Lanka (NBQSA) in 2017 for software project “[Tracified](https://tracified.com/)”.
* **Merit Award** in Culture and Tourism at the **e-Swabhimani’17**, organised by ICTA Sri Lanka for undergraduate research project “TravelSL”.

**VOLUNTARY WORK**

**Committee Member (Media & Communications)**

Sri Lankan Graduates’ Society, University of Melbourne, Australia.

**May 2019 - Present**

**Editor in Chief – FIT Chronicle**

Faculty of Information Technology, University of Moratuwa, Sri Lanka

**Jan 2015 – Aug 2017**

**Motivational Speaker & Mentor**

* Conducting awareness sessions to conducting offline and online motivational sessions to high school and undergraduate students in Sri Lanka, to create awareness of the importance of higher education and opportunities available.

**May 2015 - Present**