Negar Rahmati

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Education

Stanford University, M.S. in Electrical Engineering (Software Engineering), *GPA: 3.75/4* *2013–2015*

- Courses: Research Topics in HCI, HCI Design, Data mining, Social Network Analysis, Machine Learning

Sharif University, B.Sc. in Computer Engineering, *GPA: 18.43/20* *2009–2013*

Experience

Software Engineer, Social Department, Google Inc. *April 2015-present*

- Android development in the Google Plus team
- Android development in a team in the social department that goes through rapid iterations of design, development, and testing of novel mobile applications ideas

Research Assistant, Human Computer Interaction Group, Stanford University *2013–2015*

Adviser: Professor Michael Bernstein

- Worked on the Flash Teams project (flashteams.stanford.edu), a sequence of linked modular tasks and handoffs that can be computationally created and managed [Best Paper Award in ACM UIST 2014]
- Was part of the team who designed and created Foundry, the end user platform for Flash Teams
- Ran studies on Foundry that entailed recruiting distributed teams of online freelancers to do complex projects

Research Assistant, High Performance Computing Laboratory, Sharif University *2011–2013*

- Worked on introducing a heuristic static task scheduling algorithm [Published in IET 2014]

Publications

- D. Retelny et al. Expert crowdsourcing with flash teams. UIST 2014 **[Best Paper Award]**.
- N. Rahmati et al. Structured handoffs in expert crowdsourcing improve communication and work output. Adjunct publication of UIST 2014.
- M. Momtazpour et al. Yield-driven design-time task scheduling techniques for MPSOCs under process variation: A comparative study. IET Computers and Digital Techniques, 2014.

Skills

Programming: Java, JavaScript, Ruby, Android, HTML, CSS, C/C++, Python, Verilog, Assembly

Data Analysis: Hadoop, Matlab, R

Parallel Programming: Cell BE, GPU, OpenMP API

Projects

- Research Topics in HCI: Exploring various methods for "handing off" a completed task to the next worker in expert crowdsourcing projects **[Poster at ACM UIST 2014]**
- HCI Design Studio: Developing InterArt website, an online community for artists to get inspiration and feedback from their peers **[Honorable Mention Award]**
- Social and Information Networks: Analyzing Chatous, a 1-on-1 anonymous chat network
- Machine Learning: Building fast performance models for loop-free 64-bit x86 code sequences