

# Lauren Norrie

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## CURRENT

**Ph.D. student** and member of the Inference, Dynamics and Interaction Group,  
*University of Glasgow, School of Computing Science, Oct 2010 - Feb 2015 (expected end date).*

- I accepted an EPSRC Doctoral Training Account, as an alternative to the M.Sci. programme.
- **Mindful UX: Exploring Mindfulness in Adaptive and Situated Mobile Interactions.**  
My focus is on detecting the context of the user environment, and exploring novel ways to adapt or situate the mobile interface around this context, and encourage mindful behaviour.
- **Technologies:** *Java, Python, Javascript; Android; LaTeX; Chromecast, BTLE beacons, Kinect.*

## QUALIFICATIONS

**B.Sci. (First class Hons.)** from *University of Glasgow, School of Computing Science, 2006 - 2010.*

- **Individual projects.** e.g. novel notifications and volume control (Android); combining SMS and IM (Android); distributed bidding client (Java); real-time routing protocols (Java) (2009).
- **Team projects.** e.g. pedestrian navigation, using smartwatches and a Symbian device (Java ME); online cafe ordering service (PHP); interactive stock price visualisation (Java) (2008).
- **Course topics.** *Algorithms and Data Structures, Programming Languages, HCI, Database Systems, Networked Systems, Distributed Systems, Operating Systems, AI, Mathematics.*

## AWARDS

- **48hr Health Hackathon prize,** *Open Glasgow, Future City, Glasgow City Council, May 2014.*  
Won a share of the prize by developing an Android social, gamified pedometer app for children.
- **Class prize,** *University of Glasgow, School of Computing Science, Jun 2010.*  
Received a prize for having the top GPA of my year.

## EMPLOYMENT

### SWE Intern

- **Google London,** *Android Voice Search team, Oct 2012 - Jan 2013.*  
Java client applications with the Android Voice Search and Google Now team.
- **Google Munich,** *Software Engineering team, Jun - Oct 2011.*  
Learned to create a GWT Java application hosted as a web app on AppEngine.
- **Picxel Technologies,** *Glasgow, Jun - Sept 2007.*  
Learned to create a font for mobile devices and Python scripts to parse HTML documents.
- **Cisco Systems,** *Edinburgh, October 2003.*  
One week of work experience: editing HTML documents and learning about routers.

**Research Intern,** *University of Glasgow, School of Computing Science.*

- **Dynamics and Interaction Group,** *Sept - Oct 2010.*  
Android app to demonstrate novel interaction techniques using OpenGL ES.
- **Social, Ubiquitous, Mobile Group,** *Jun - Sept 2010.*  
Learned Obj-C and created an iOS app for Turner Broadcasting involving p2p communication.
- **Multi-Modal Interaction Group,** *Jun - Sept 2009.*  
Gesture controlled apps for Symbian devices using external sensors (Java ME).
- **Software, Engineering & Software Technology Group,** *Sept - Aug 2008.*  
Reminder system using Java Swing and the Google Calendar API.

## TECHNICAL SKILLS

- **Strong (7-8 yrs):** Java, Python, Javascript; SQL, HTML, CSS; Eclipse; Linux, Windows.  
(3-6 yrs): AppEngine, AWS; Git; Android, Mac OSX.
- **Weak (1-2 yrs):** C, Obj-C, C++, C#, Haskell, PHP, Matlab, Octave, Bash; Xcode, Visual Studio; Oracle, Microsoft Access; Perforce, SVN, CVS; Symbian, iOS, Windows Mobile.

## TUTORING, *University of Glasgow*

OO-Software Engineering 2 (Java), *Jan - April 2012*.      Interactive Systems 3 (Java), *Oct - Dec 2011*.  
Algs & Data Structures 2 (Java), *Feb 2011 - April 2012*.      Networked Systems 3 (C), *Jan - Mar 2011*.  
Java Programming 2, *Oct 2009 - Jan 2012*.      Programming 1 (Python), *Nov 2008 - Jun 2010*.  
Personal tutor (Java), *Oct 2009 - May 2011*  
*Helped a blind, astrophysics Ph.D. student with UIs.*

## VOLUNTEER WORK

- **Code Club** volunteer, *Eastmuir Primary School, Glasgow, Nov - Dec 2013*.  
Hosted a club for 9-11 year olds with mild learning difficulties, creating games with Scratch.
- **ITS & UIST conference** student volunteer, *St. Andrews, October 2013*.
- **Google/RaspPi** helper, *RaspPi event, Chesterton Community College, Cambridge, Jan 2013*.  
Helped and encouraged 9-11 year olds to modify a Python game on a Raspberry Pi.
- **Amazon Hackathon** volunteer, *24hr Hack, University of Glasgow, March 2012*.
- **Google Serve** volunteer, *Building and painting benches for a local school, Munich, July 2011*.
- **Applicant Day** volunteer, *Information sessions, University of Glasgow, Feb - Jun 2009*.
- **Compsoc** organiser, *Computing Society, University of Glasgow, 2009 - 2010*.

## PERSONAL INTERESTS

- **Google London events**. Women in Tech Training Day (*Jun 2014*), CodeF and CodeF Alumni (*Nov 2011, Nov 2012*), Intern and Ambassador Summits (*July, Sept 2011*).
- **Summer schools**. Big Data Info. Visualisation: Learned **Map Reduce** using Hadoop (Java) and D3.js (*8 - 12 July 2013*); Inference and Dynamics in Interaction (*11 - 15 Jun 2012*).
- **Websites**. I developed KnightsLikeThese.com using the **Vimeo API** (*Apr 2014*).
- **German**. I created an **Android Daydream** that displays my Duolingo vocabularies (*Apr 2014*). I have also attended post-beginner language classes (*Oct 2013 - Mar 2014*).
- **MOOCs**. I have completed Design of Computer Programs, Web Development, Mobile Web, Cryptography, Statistics, AI for Robotics, and Machine Learning (*Apr 2012 - May 2014*).
- **Developer Conferences**. I attended D14 (*Jun 2014*) and Google Developer Day (*Nov 2011*).
- **Workshops**. *Deep Learning (May 2014)*, *.Net Gadgeteer (Jul 2013)*, *MMI IR (May 2013)*, *Spatial Information (Mar 2013)*, *3D printing (Aug 2012)*, *Kinect Workshop (Jun 2012)*, *Body Movement in Mobile HCI (Aug 2011)*, and *Ph.D. Conferences (2011 - 2013)*.
- **Talks**. I have presented at TechMeetup, and at various research events (*2011 - 2012*).
- **Android apps**. I enjoy music festivals, and created an app to display the line-up for Bowlie 2 (*Dec 2010*). I have also created simple apps to display web comics; to perform voice recognition and text-to-speech; and to create flipbooks from camera stills (*Dec 2009 - Jan 2011*).
- I enjoy sudoku puzzles, longboarding, jive dancing, yoga, photography and coffee.

## REFEREES

**Prof. Roderick Murray-Smith**, Ph.D. Supervisor,  
*School of Computing Science, University of Glasgow. rod@dcs.gla.ac.uk*

**Dr. Stefanie Scherzinger**, Intern Host at Google Munich,  
*Regensburg University of Applied Sciences, Germany. stefanie.scherzinger@gmail.com*

## PUBLICATIONS

- Virtual Sensors: Rapid Prototyping of Ubiquitous Interaction with a Mobile Phone and a Kinect. *Norrie, L. and Murray-Smith, R. MobileHCI '11, Stockholm (short paper)*.
- Putting Books Back on the Shelf: Situated Interactions with Digital Book Collections on a Smartphone. *Norrie, L., Koelle, M., Murray-Smith, R. and Kranz, M. MUM '13, Luleå (poster)*.