Matt Medland

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OBJECTIVE

- To find a challenging applied research internship that will allow me to apply my knowledge of distributed systems and machine learning. Particularly interested in internship positions within the healthcare sector.

EDUCATION (Section should be in chronological order – most recent first)

MSc in Applied Computing September 2017 – December 2018 (expected)
University of Toronto, Department of Computer Science
Courses (ongoing): Introduction to Distributed Computing, Machine Learning & Data Mining, Advanced Topics in Distributed Computing, Systems Thinking for Global Partners.

BSc in Computer Science September 2010 – July 2014
University of Glasgow, Department of Computer Science

EXPERIENCE (Work and/or volunteer)

ABC Corp, London, UK August 2014 – July 2017
Software Engineer

- Developed pages for activity feeds, notification feeds, and newsfeeds.
- Maintained apps through customer support implementations and bug fixes.
- Developed and upgraded pages to responsive views: explore pages, user lists, dashboards and lists

*You may also wish to include the languages/technologies used in your descriptions.

PROJECTS

University of Toronto, Canada Jul 2012-Dec 2012
Computer Network Course Project

- "Building Internet Routers" and "Implementing a Reliable Transport Layer" (in C).
- Chrome Extension for Facebook users to analysis their social network data: time spend on Facebook, wall posts, subscribers, etc. (in HTML, CSS, and JavaScript).

The Fifth National University Student Innovation Test Plan Apr 2011 - Jun 2012
The Detection of WSN Coverage Holes with UAV

- Participate in developing a GUI in C# to show the flight course, gesture of an unmanned aerial vehicle (UAV) and remote image from the camera on the UAV.
- Modify the UAV with GPRS module, GPS module, wireless camera, etc. to realize the proposed method in practice.
- Proposed a geometric method for wireless sensor network (WSN) localization based on Received Signal Strength Indication (RSSI) distance measurement with a UAV, and a method for WSN coverage-hole detection based on Voronoi diagrams.

TECHNICAL SKILLS

Programming Languages: Java, Python, Ruby, C
Databases: MySQL, SQLite3
Web Development: Ruby on Rails, Django, Java Web Application, jQuery