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MARTY J. REYNOLDSON

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EDUCATION

Lancaster, UK Lancaster University

Oct 2011 – July 2015

MSci Hons Computer Science (With Industrial Experience). 2.1

EMPLOYMENT

Software Engineer

Royal Bank of Scotland

Aug 2015 - Present

NatWest Markets, Syndicate

- Client Meetings Monitor. Designed and implemented an Outlook add-in that tracks client meeting activity. This saw huge adoption by teams worldwide in both primary and secondary markets.
- **Client Meetings MI.** Created a VSTO C# solution which uses 'Client Meetings Monitor' data to produce colour-coded reports. The 'Client Meetings' solution is a key contributor to client relations metrics.
- **Syndicate Dashboard.** Modernized several legacy applications into a new AngularJS frontend/C# backend web based solution. Dashboard is the golden source for deal-related information for primary markets.
- **Investor Feed.** Implemented a Windows Service that communicates with various internal systems and uses object comparisons to synchronize golden source counterparty static with RBS's 'book building' application.
- **Deal Monitor.** Created a C# Excel add-in solution that verifies impartial bond allocation, flags orders that break selling restrictions and processes sales credits based on performance.

Software Engineer, Intern

DemoPad Ltd.

Jan 2015 - Mar 2015

- **Device Drivers.** Implemented device drivers in C++ and Lua to integrate lighting (Rako) and thermostat (Nest) control with DemoPad's flagship smart home automation processor Centro8.
- Apple Watch App. Designed and implemented an Apple Watch application to leverage Centro8's smart home control and feedback capabilities.

Technical Consultant

KitchPack Ltd.

Aug 2014 - Sep 2014

- Marketing Strategy. Discussed potential solutions with the owners to improve company awareness.
- **Web Scraping.** Used Scrapy/Python scripts to accomplish the agreed marketing strategy. Implementation saw sales increase by 35% over the first month and a noticeable increase in feedback via social media.

Software Engineer, Intern

Lancaster University: InfoLab21

July 2014 - Sep 2014

Knowledge Business Centre

- **Consultation.** Worked closely with clients to scope their requirements into manageable projects and meet specific design and implementation needs.
- Twitter Report Generator. Created a bespoke web application with PHP/Laravel. This generated progress reports based on the client's customers' Twitter activity e.g. tweets, retweets, followers etc.

PROJECTS

- <u>Football Quickscore</u>. Snappy and responsive web application that shows team head-to-head stats across all leagues. Data is sourced from football-data.org's open API. ReactJS, JavaScript
- Automated Spear-phishing System. Designed and implemented a system that crafted spear-phishing email messages based on publicly available information to validate effectiveness. Python, Java, Scrapy.
- **LUFELF Android App.** Part of a team that designed and implemented an award-winning android application. The application was a friends, events and location finder. Java, Android.

Languages and Technologies

- Proficient with: C#, Java, SQL, ReactJS, AngularJS 1.x
- Experience with: JavaScript, AngularJS 2/4.x, Python, C++, Lua, PHP, Objective-C