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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 became a key contributor to client relations metrics.
- **Syndicate Dashboard.** Used AngularJS, NodeJS and C# to migrate legacy solutions into a single web-based application. This application hosts primary markets deal-related information and documentation.
- **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 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.

UNIVERSITY PROJECTS

- **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*.
- Chord Implementation. DHT network and RESTful system that allowed multiple clients to submit computational tasks. This used a RESTful service to run tasks asynchronously using a DHT network. *Java, Apache Tomcat*.
- **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
- Experience with: JavaScript, Python, Lua, PHP, Objective-C, C