

## Steven Diviney

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Objective: Graduate Computer Science student looking for career opportunities in a reputed organization in Ireland or abroad.

### Education

- Trinity College Dublin, (MCS) Master in Computer Science, 2012 - 2013
- Trinity College Dublin, BA(Mod) Computer Science, 2008 - 2012. Achieved First Class Honours
- Sutton Park, Sutton, Dublin, 2002 - 2008.
  - Achieved 450 CAO points.
  - GCSE in ICT obtained in 2006.

### Experience

- **Trim Transport Ltd, 2013 - Present** Notable aspects include; Developing and maintaining an invoicing system, secretarial duties, vehicle maintenance and preparing cargo for shipment.
- **Masters Thesis, 2013** Thesis title: Browser Based Categorization of Data Towards Automated Visualization, attempted to create a system to automatically visualize an arbitrary dataset. The system generated visualizations using only the input data. No additional meta-data was required. Overall it was determined that such a system can be effective at creating useful visualizations, but its effectiveness diminishes as the data becomes more complex.
- **MasterCard Ireland, 2012** Seven month internship as part of degree program. Worked as part of the InControl team. Primarily responsible for maintaining and updating a testing tool used by QA to interface with the InControl service to test it. Worked closely with both the InControl development team and QA team. Gained valuable experience with the entire technology stack, as well as communication skills working with many different people and teams at once. The technologies used were Java and Oracle SQL and Spring.
- **IBM Ireland, 2011** Summer internship for 3 months at IBM Ireland as part of their Extreme Blue internship program. Worked on a mobile web application as part of a team of four. The project was voted second out of over twenty at the end of the internship. As well as creating the application weekly update presentations were given to managers and co-workers. Developed skills in computer programming, teamwork, and communication with management and architects in order to design and plan the project, in addition to making sure the project was on track and mile-stones were being met.
- **GeSCI, 2010** Co-developed open-source software to assist with the calculation of ICT costs across a country. The software is now deployed in several Ministry's of Education across Africa. Developed skills in computer programming and teamwork. Attended meetings with the client in order to ensure what was being built fit the requirements. Developed skills in translating user requirements into a final design for implementation.
- **Dangerous Goods Safety Advisor, 2010 - Present** Responsible for ensuring that three organizations adhere to the requirements set out by the European Agreement concerning the International Carriage of Dangerous Goods by Road. Notable aspects include inspection of sites to ensure regulations are being adhered too, consultation with the organizations if regulations are not being met and the submission of an annual report to the HSA. Developed skills include organizing meetings with clients and ensuring that the applicable laws are being adhered too.

- **Freelance Graphic Design** Notable aspects include; Consulting with clients in order to assess their requirements. Creating of drafts based on clients requirements. Refining draft into final copy.

## **Skills and Interests**

### **Operating Systems**

- GNU/Linux, primarily Debian based, very good working and theoretical knowledge. Have used Debian as a primary OS for over 8 years and enjoy learning about the design of UNIX systems in general.
- Windows 7, Vista, XP, very good working knowledge.

### **Programming**

- Very good level of experience programming in Java.
- Good knowledge of C/C++, Python, JavaScript and Ruby on Rails.
- Good knowledge of OOP concepts and design patterns as well as functional, imperative and declarative programming paradigms.
- Enjoy programming during free time and have many personal projects. These range from micro-controller projects, generative artwork, Ajax driven and static web-design, design of various database schema, JSON parsers, network programming and Android apps.
- Also completed many projects as a result of university course work. These range from simple compilers, logic puzzles, implementation of various data structures, multi-threaded programs, XML and JSON parsers, SSE programming, a network proxy server, a web-server, an email server and client and various database schema.

### **Teamwork**

- Very good teamwork skills. Developed teamwork skills during work experience and college projects. Almost every project was designed to some degree as a group and implemented as a group or in isolation. Each project is approached with enthusiasm, particularly if it's something new as reflected in course work marks achieved.

### **Design**

- Good knowledge of graphic design concepts and the technical knowledge on how to apply them. This applies to both graphic and user interface design.

### **Electronics**

- Some experience working with embedded electronics, primarily Atmel AVR and ARM chips. Personal interest which has been expanded on in university.
- Created several small projects using the Arduino platform in addition to stock AVR chips. Also have experience with setup and configuration of reasonably complex LANs.

## **Referees**

Dr. Owen Conlan  
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