

# **Peter Berry**

123 Any St  
Anytown  
Anyshire  
AN1 1AA  
Tel.: 07654 321 098  
Email: example@example.com

## **Personal profile**

Computer science graduate with a concentration in theory. Experienced in high and low level programming, from C to Haskell, in individual projects and small groups. Fluent in German and an excellent writer with scrupulous attention to detail.

## **Education and qualifications**

2007-2010 University of Wales, Swansea

MRes Logic and Computation (final thesis approved)

This was a part-taught course with a thesis including a substantial portion of original research. The taught part included:

- lambda calculus and type theory
- boolean satisfiability problems and solving
- abstract data types and program synthesis
- interactive theorem proving using dependent types (Agda)

The research project concerned the theory and implementation of exact real number computation, a broad-based project involving aspects of:

- real analysis
- topology
- domain theory
- category theory
- automata and computability theory
- program extraction
- functional programming in Haskell

During the course I took part in a Marie Curie fellowship scheme, Mathlogaps (Mathematical Logic and Applications), including a 5-month visit to LMU Munich and a 5-day workshop at Manchester University.

2003-2007 University of Wales, Swansea

BSc Computer Science (with German) (2.1)

Combined honours scheme,  $\frac{2}{3}$  Computer Science modules, balanced between practice and theory:

- programming in Delphi, C, Haskell, Prolog and Java
- a group project using Java
- an individual, mostly theoretical project on pure functional memoization with an implementation in Haskell
- program design, data structures, algorithms and complexity
- parsing of formal and natural languages, including programming exercises using LALR(1) parser generators (Lex/Yacc) and DCGs (Prolog)
- AI techniques such as heuristics and machine learning
- algebraic specification using the algebraic rewriting language Maude
- logic, computability theory, and theory of programming languages
- operating systems and concurrency

and  $\frac{1}{3}$  German/linguistics:

- language tuition including German literature
- translation
- terminology

2005-2006 University of Regensburg, Bavaria, Germany (year abroad)

Fairly free-form year, comprising the 3rd year of my degree course. Lectures and seminars on various subjects in the medium of German, including

- networking
- databases
- phonetics
- ancient history

in addition to social engagement with students from many countries. During this year I greatly improved my German language skills.

2000-2002 Havant Sixth Form College

- 3 A levels: German (C), Mathematics (pure/mechanics/statistics) (C), Physics (C)
- 2 AS levels: Computing (B), Philosophy (C)

1995-2000 Oaklands Catholic Comprehensive, Waterlooville, Hampshire

- 10 GCSEs and 2 short course GCSEs including six As

### **Additional qualifications**

- Knowledge of a wide range of programming languages including C, Delphi, C++, Java, Python, Perl, Prolog, Lisp, Haskell, Agda
- Experience of Unix (Linux) systems programming and system administration
- Fluent speaker of German and some French

### **Positions of responsibility**

- Treasurer of Swansea University Computer Society (2004).
  - Handling petty cash and accounting for all financial transactions (membership fees, sales (CD-Rs etc.), purchases)
  - Liaising with the students' union and obtaining funding
  - Organising meetingsOther duties unrelated to the position of treasurer included database and server administration.
- Steward at charity horse shows in Denmead, Hampshire.
  - Keeping paperwork consistent and up to date on a tight schedule
  - Taking late entries (interacting with the public and handling money)
  - Directing parking

### **Work experience**

*February-May 2010* Notetaker and mobility support assistant, Swansea University

*November-December 2010* Warehouse operative at Amazon, Swansea

*Easter 2004* Temporary factory operative at Hi-Tech Mouldings, Waterlooville, Hampshire  
Finishing mass-produced plastic goods e.g. pumps

*Summer 2003* Temporary postman at Royal Mail, Waterberry Drive, Waterlooville, Hampshire  
Sorting mail, requiring a speedy attention to detail  
Delivering mail

*Winter 2002/2003* Temporary warehouse operative at DBC Foodservice Ltd., Petersfield, Hampshire  
Order picking — collecting stock from the warehouse according to order sheets  
Packing/unpacking containers

### **Interests**

- Languages and linguistics.
- Role-playing games (both computerised and pencil & paper). I am a member of the university role-playing society.
- GM for a Pathfinder campaign, which involves leadership skills (mediation, communication, decision making).
- Reading, particularly SF, fantasy and historical novels.
- Regular contributor to the free encyclopedia Wikipedia, making mostly copy-editing edits.
- Music. I have a broad taste but especially like blues, classic rock, post-punk and electronica. I have also sung bass in two amateur choirs.
- Casual contributor to open source software projects: reporting bugs and occasionally submitting patches.

### **Referees**

Available on request