

## Barry Tucker FdSc

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### PROFILE

I graduated from University of Brighton with a First Class Honours Degree in Software Engineering after completing a FdSc eSystems Design and Technology part-time, while working part-time as a professional and technically minded architectural technician with a keen interest in sustainable design, attention to detail and 3D modelling.

Looking to start a career in software development.

Experience of managing small teams for working drawing packages and running minor works projects on site.

While working as an Architectural Technician I was also responsible for the running of the companies IT infrastructure and associated CAD systems.

In my role as IT Manager I developed several small stand-alone applications in Visual Basic to perform repetitive file operations and was working on an intranet based company information database system using Java Servlets and PHP, before being made redundant in February 2009.

I hold a current full and clean UK driving license.

Recently become a certified first aider for paediatrics.

### EDUCATION

October 2009 – Present

#### **Bachelors Degree: Software Engineering at University of Brighton**

- Computer Graphics Algorithms
- Data Management
- OO Design & Architecture (Design Patterns & Frameworks)
- Verification & Validation (System/Unit Testing)
- Programming Languages, Concurrency & Client/Server
- Individual Project

September 2003 – July 2007  
(part-time)

#### **Foundation Degree: eSystems Design & Technology with University of Brighton through Crawley College**

- Java (inc RMI)
- Java Servlets
- HTML/XHTML
- Javascript
- XML
- CSS
- Tomcat
- PHP
- UML
- Project Management
- Interface Design
- Network Design

February 2004 – October 2004  
(distance learning)

#### **Energy For A Sustainable Future with The Open University**

February 2003 – October 2003  
(distance learning)

#### **Planetary Science And The Search For Life with The Open University**

September 1999 – July 2002  
(part-time)

#### **HNC Building Studies @ Crawley College**

September 1997 – July 1999

#### **A-Levels @ Imberhorne Comprehensive School (Sixth Form)**

- Mathematics
- Computing
- Graphical Communication

## EXPERIENCE

February 2009 – Present  
(part-time)

### **JNA Architects Limited, Crawley, West Sussex**

Small architectural practice focusing on domestic work as well as some small commercial refurbishments.

#### **Architectural Technician**

- Production of drawing packages and official applications.
- Producing U-value and SAP calculations.
- Draw up measured surveys.
- Extensive use of AutoCAD (latest versions).

August 2001 – February 2009

### **RDjW Architects Limited, Crawley, West Sussex**

18 strong architectural practice with experience in leisure, education, retail, commercial, industrial, residential and community projects, as well as taking on both planning supervision and code for sustainable homes work.

#### **IT Manager**

- Provide IT/CAD support.
- Manage server and network environment.
- Develop and regulate IT/CAD procedures.
- Develop and maintain standard detail / block library.
- Develop and deliver in house IT/CAD seminars and training.
- Responsible for data backups.
- Develop CAD presentation standards.

#### **Architectural Technician**

- Production of drawing packages and official applications.
- Production of architectural/performance specifications.
- Production of schedules of works.
- Managing small teams on working drawing packages.
- Producing U-value/SAP calcs, SBEM Trained (not accredited).
- 3D modelling and visualisations of projects..
- Conduct and draw up measured surveys.
- Involvement in design team coordination.
- Develop and deliver in house building regulations seminars.
- Extensive use of AutoCAD (latest versions).
- Basic use of Nemetschek Allpan & Autodesk Revit 3D packages.

July 1999 – August 2001

### **Guideline Building Services, Copthorne, West Sussex**

Small architectural practice dealing mostly with house extensions, conservatories, small scale commercial and one off houses.

#### **CAD Technician**

- Conduct and draw up measured surveys.
- Production of drawings packages and official applications.
- Use of both Drafix and AutoCAD drawing packages.

## INTERESTS

Currently teaching myself C++ and Python in my free time, with the aim to progress into the application of AI in software.

Scouting and their associated outdoor pursuits (achieved Queen Scout award, and have been an assistant leader).

Have been involved in charity work in the past, including a three week expedition to Zimbabwe to assist in the construction of a medical centre and the maintenance of facilities at a national park.

Fund-raising for charities: have taken part in a sponsored skydive, 5km runs and organised teams for dragon boat race festivals.

Photography, Computers, Reading, Outdoor pursuits including camping, kayaking, hiking, running, cycling and rock climbing.