

Waqas Arshid

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Skills

Programming Languages: Objective-C, Java, Python, C

Web Languages: HTML5, CSS3, Javascript/JQuery, PHP, SQL

Software Tools: Xcode, Eclipse, Mercurial, Git, UML/Visio, Office, Google Apps

Operating Systems: Windows, OS X/Unix, iOS

Spoken Languages: English, Punjabi, Urdu, French

Full, clean UK driving licence

Education

University of St Andrews

BSc (Hons) Computer Science, Expected 2:1

2011–2014

Relevant modules: Advanced Internet Programming, Software Engineering, Component Technologies, Databases

Relevant coursework:

- Report analysing software architectures
 - Constructed accurate models for software architecture.
 - Performed research into developing the quality of software architecture.
 - Separated system design from business logic to simplify client software implementations.
- Stock Trading web application, *Python and Javascript*
 - Data visualisation using Rickshaw javascript graphing toolkit.
 - Model-View-Controller implemented with Django web framework.
- Networked File Browser, *Python*
 - Client/Server communication over TCP.
 - Worked with the Unix file system.

Strathclyde University

First Year Computer Science, Passed with Merit

2010–2011

Transferred to St Andrews at end of year

Relevant modules: Information Systems, Business Technology

End of year project:

- Image Manipulator, *Java*
 - Applied visual effects by manipulating individual pixels.
 - Extensive use of pointers for undo/redo functionality.

High School of Dundee

Scottish Qualifications Authority, 405 UCAS Points

2004–2010

Relevant Topics: Computing, Information Systems, Mathematics, Technological Studies, Graphic Communication

Experience

Freelance Web Developer

Adaptable and proficient software developer

2009–Present

- Apply knowledge of current and emerging web technologies and standards.
- Utilize iterative and agile development to fully extrapolate customer needs and build the best possible solution on schedule and on budget.

‘Dare Protoplay’ Games Development event

Caird Hall, Dundee

Floor Assistant

Aug 2011

- Assisted contestants in liaising with judges, carrying information between parties over a three day event with around 9000 attendees.
- Helped visitors to fully engage with the gaming exhibits and various controllers.
- Required concise and understandable communication on a frequent basis.

British Open Golf Championship

St Andrews

Cashier

Jul 2010

- Processed large transactions accurately and efficiently.
- Dealt with high volume of customer refunds and exchanges.
- High pressure environment requiring excellent communication skills and customer interaction.

Achievements

‘Silicon Valley comes to the UK’ Appathon: National Winner

Nov 2011

- Judged by representatives from Silicon Valley companies, including Google.
- Shortlisted above 850 other teams to attend award ceremony held by Prime Minister.
- Invited to present at the ‘Silicon Valley comes to Tech City’ conference in London.

St Andrews bada mobile platform ‘codeathon’: Winner

Oct 2011

- 24 hour programming event organised and sponsored by Samsung.

Alan Hall Prize for Dux in Technological Studies

Aug 2010

Sports Leadership Award

Aug 2010

Computing Prize for best in year

Aug 2009

Duke of Edinburgh Award

Jun 2009

Activities

STEM Ambassadors Programme: Ambassador

- Encourage young people to enter the fields of Science, Technology, Engineering and Maths.
- Work with and motivate school pupils by collaborating on themed events in local schools.

St Andrews Computing Society: Founder and President

- Host seminars related to Computer Science and Computing topics.
- Hold programming marathons, workshops, contests and collaborate on software projects.

Strathclyde Students in Free Enterprise (Enactus): Member

- Twinned with school in Ghana to deliver funding and economic success.
- Operated a student focussed charity shop on campus to generate funds for SIFE projects.

Vocational, voluntary and academic references are available on request.