

Waqas Arshid

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Skills

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

Scripting 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, Windows Phone

Spoken Languages: English, Punjabi, Urdu, French

Full, clean UK driving licence

Education

University of St Andrews

BSc (Hons) Computer Science, Attained 2:1

2011–2014

Dissertation Topic: *A Visualisation Tool for Software Architectures*

- Outlined requirements from case studies involving enterprise architecture.
- Defined the relational formalism which allows users to define the data relationships.
- Building a tool that enables full editing capabilities for existing models.

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

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*
 - Produced a client-facing web app realised within a small team utilising agile concepts.
 - Data visualisation using Rickshaw javascript graphing toolkit.
 - Model-View-Controller implemented with Django web framework.

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, 360 UCAS Points

2004–2010

Final Grades:

Advanced Highers; Computing (A), Mathematics (C), Technological Studies (C).

Highers; English (A), Computing (A), Technological Studies (A), Physics (B), Mathematics (B).

Experience

Teaching Assistant

Morgan Academy

Dundee

Sept 2013–Dec 2013

- Introduced novel teaching toolkits into the classroom environment.
- Designed curriculum for class of 12 young individuals to develop their understanding of web technologies and freelancing.

Assistant Software Architect

American International Group (AIG)

New York, NY

Jun 2013–Aug 2013

- Worked with CIO Kartikay Pande, Chief Architect Ravi Kumar and several business analysts on in-flight projects relating to AIG's global Web presence.
- Responsibilities included performing Proof of Concepts (POCs), technical writing and presenting findings to eBusiness Technology management and ADM executives.

Freelance Web Consultant

Adaptable and proficient software developer

2009–Present

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

'Dare Protoplay' conference

Floor Assistant

Caird Hall, Dundee

Aug 2011

- Assisted contestants and organisers 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.

Achievements

Enterprise Gym Discovery Challenge: 'Full Blue' award

April 2014

- Completed eight comprehensive sessions designed to build entrepreneurial skill set.
- Team competition to establish a new product helped by mentors from business community.

Saltire Foundation Scholarship: 2013 Recipient

May 2013

- One of 103 recipients for a prestigious scholarship awarded to students who demonstrate potential as future leaders in business.
- The programme enables talented students to realise their potential through challenging work experience with a global perspective.

Paypal 'Battlehack' New York City: Best use of technology; Windows Phone

Jul 2013

- Worked over a 24 hour period sharing expertise in teams and individually.
- Developed early-level prototype for a social connecting app using NFC technology.

'Silicon Valley comes to the UK' Appathon: National Winner

Nov 2011

- 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.

Samsung bada 'codeathon': Joint Winner

Oct 2011

Alan Hall Prize for Dux in Technological Studies

Aug 2010

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

- Organised trip for society members to London hackathon event
- Host seminars related to Computer Science and Computing topics.
- Hold programming marathons, workshops, contests and collaborate on software projects.