

Daniel Alderman

BSc Information Technology

The University of Leeds

Current Projects

For my dissertation I am creating a tool that simplifies the large amount of data that is produced by distributed system into a selection of intuitive interactive visualizations. The tool will be capable of creating bespoke visualizations that display information in real-time, in an intuitive and easily digestible way. Although I have regular meetings with my supervisor, the work is largely independent therefore requires good time management and planning skills.

Past Projects

During my third year in Mobile Application Development module I created an iOS app which was designed to help people navigate the outdoors whilst hiking as part of a pair. The application had featured a compass, map and a weather feed. My role in the project was produce majority of the code, designing the overall architecture and structure of the application. There was relatively short period of time in which to produce of the final product of approximately six weeks, this meant that the iterative software development approach was utilised to ensure that any changes could be made after small incremental changes after identifying any issues between sprints. The amount of time that was available meant that the project had to be well planned and organised to ensure that all milestones were met before the deadline.

Education

University of Leeds - The School of Computing

2012–Present

BSc Information Technology

Relevant Modules

Results

Mobile Application Development	79
Software Engineering	75
Models and Simulation	73
Information Visualization	63
Distributed Systems	57

West Herts College - Watford

2010-2012

BTEC Level 3 Extended Diploma (QCF) in IT - **Distinction***, **Distinction**, **Distinction (D*DD)**

Cisco CCNA Discovery: Networking for Home and Small Businesses

Townsend C of E - St Albans

2004-2009

Achieved 10 GCSEs grades A – C

Achievements

Distinct Learner Award - Awarded by West Herts College for consistently achieving Distinction grades in my coursework.

Best Single Piece of Work Award - Awarded by West Herts College for my analysis of the video game 'L.A. Noire'.

Technical Skills

Programming Languages: Java, C++, C, Objective C, Swift, Python and C#.

Web Technologies: PHP, MySQL, CSS, HTML, Django, Rest and JavaScript.

Application Development: Qt, Swing, .NET, iOS and Android.

Key Employability Skills

Communication skills – Providing technical support to clients over the phone and via email whilst my time at X-Lab.

Time Management – During my time at University I was expected to divide my time between different pieces of work for each module and complete the work to correct standard by the deadline.

Project Planning – For my Final Year Project I had split the workload into several different milestones appropriate for the time available and the scope of the problem.

Team Working – During my time at X-Lab I collaborated with others internal and external to the company on daily basis, working with people in different countries and skillsets that are quite varied to my own.

Problem Solving – I find it incredibly satisfying to devise and implement a solution to a problem, it helps to improve knowledge of the programming language as well as creating codebase that can be reused with other projects to solve more complicated problems.

Employment

From July 2014 to September 2014 I worked as a IT Support Intern at X-Lab.

- I provided technical support via email and phone for the various products that X-Lab produce. I was involved in testing software internally as well as producing support documentation to provide help in the end customer.
- The role was non-existent prior to me being hired and as such I was responsible for establishing the support process for customers. I was responsible for testing and evaluating the various support software packages available in order to select the best option for the company. I then configured the software and produced a support pathway that was fit for purpose, with the end goal of leaving a support system for the permanent staff member to inherit after my internship.

From October 2011 to September 2012 I had a part-time job working as a Customer Service Assistant at Wickes.

- This job required a variety of skills; communication was important, as was listening and understanding customer requirements, assisting customers and providing them with the correct information.
- I also advised customers, provided refunds for customers, resolved problems with deliveries, operated a cash register and handled money.

Previous to my employment at Wickes, I worked at my local newsagents for two years.

- My duties included delivering papers, sorting papers in different rounds, cleaning the shop, serving customers, replenishing stock and facing the products.

Interest / Hobbies

- I am an avid music fan, I regularly attend gigs and attend a festival every summer. For me music is a great release and some of my fondest memories are of seeing bands with my friends. Me and a friend from school are currently in the process of composing and recording our first demos, in which I write and sing lyrics.
- I like to train to regularly at my local gym with my long term goal to compete in half marathon.
- I am avid reader, particularly of fantasy and horror novels. Some of favourite include J. R. R. Tolkien, Stephen King and George R. R. Martin.
- I also like to play video games in my free time. Especially strategy games, such as the "Company of Heroes" and the "Civilization" series. I enjoy the puzzle solving, historical context and the critical thinking skills related to these games, as well as sense of achievement when outsmarting an AI or human opponent.