Colin Kinloch | MSc

✉ colin@kinlo.ch • ⊕ ColinKinloch

Quick learner suited to an agile development environment. A fast problem solver with an aptitude for research who is exited by JavaScript development and eager to learn.

Qualifications

University of Bedfordshire   **Bedfordshire**
MSc Computer Science   *2013-2014*
Topics included:

- Data Modelling and Management
- Project Management
- Cryptography/Cryptanalysis
- Parallel Computing
- Distributed Computing
- Intelligent Agents
- Systems Architecture
- Network Systems
- Embedded Computing

I used backbone.js and node.js to create an app with a RESTful API, it was rushed but enjoyable.

University of Bedfordshire   **Bedfordshire**
BSc Computing and Mathematics, 1st Class (Hons)   *2010-2013*
Topics included:

- Software Engineering
- Operating Systems
- Security
- Hardware
- Distributed Systems
- Number Theory and Logic

For my thesis I created a cross-platform Lattice Boltzmann Method simulating fluid flow on a graphics processor using the OpenCL parallel processing library in C++. This project gave me an opportunity to research scientific modelling and parallel computing.

Knowledge

Languages

- JavaScript
  - Asyncronous
  - OOP
- C++/C
- GLSL
- Java
- HTML5/CSS3

Libraries

- AMD - Require.js
- MVC - Backbone.js/Angular.js
- JS unit testing - Jasmine

Tools

- git
- GNU Autotools
- LaTeX
- Grunt and related tools

Other

- Linux administration
- PRINCE2
- Agile (TDD)
- Cross-platform development
- GPGPU using OpenCL
- OpenGL

Key Skills

- Strong aptitude for research
- Sound experience of project management methodologies
- Excellent software development skills
- Particular facility for implementation and debugging
- Following web API standards
- A firm grasp of RESTful services and other techniques used in SPAs

Skills

- Excellent programmer with good working knowledge of a variety of languages spanning a number of paradigms
- Worked on a wide range of project with varying aims, from Games Development to Content Management Systems. These have helped develop a large repertoire of software design patterns.
- Academic and practical experience administering multiple types of Linux systems ranging from desktops to node.js servers.
- Academic and practical experience in project management including Agile methodologies and PRINCE2.
- Excellent problem solving skills in relation to operating system issues, implementation and debugging for example I constructed and configured a hackintosh.
- During my university course I was recognised by peers and staff alike as having particular ability to support the learning of others through explanation and demonstration.
- I was also recognised as the most skilled in many areas of computer science including assembly language by my peers at university.
- I have collaborated successfully on a number of projects during my university course.
- Experience with parallel programming library, OpenCL and its interoperability with OpenGL.

Employment History

CANDDI   **Manchester**
JavaScript Developer, Internship   *Summer 2011*
Development of client-side data gathering. In this placement I used the agile Test Driven Development (TDD) methodology. This placement revealed to me areas of software engineering where my skills needed further development. This experience pushed me to hone my abilities and research VCS and build management tools.

University of Bedfordshire   **Bedfordshire**
Peer Assisted Learning Leader   *Sept 2011-July 2012*
I was invited to apply to be a Peer Assisted Learning (PAL) Leader by the University at the end of my first year as I had spent a great deal of time during that year supporting a number of people in my year-group to understand the work by explanation and demonstration. Participation in the PAL scheme formalised this role.

Country Wide Weekends   **Somerset**
Climbing Assistant   *Summers 2008-2010*
Working with a team of people to support groups of young people and individuals in their first climbing experiences. I assisted in the erection of a moveable climbing wall, ensuring that the safety equipment was properly fitted to the participants and used appropriately.

Interests

- Rock Climbing
- Video Games
- Anime
- Skiing