

Job Description – Skoogmusic Ltd

Title: Software Developer (Audio, DSP)
Salary Scale: £28,139 – £34,607
Start Date: As soon as possible
Reports to: Skoogmusic Directors
Location: Edinburgh, Scotland

Job Summary:

Skoogmusic are looking for a talented and creative software developer to take the lead in maintaining and developing the software component of our accessible musical instrument, the Skoog.

Key Skills

1. Excellent programming skills in Max/MSP, Javascript, Java and C/C++.
2. Knowledge and implementation of DSP and synthesis techniques such as physical modelling and wavetable synthesis.
3. Awareness of interaction design and HCI.
4. Knowledge of the wider field of music production, and related audio software and hardware issues.
5. Experience of working with hardware design, microprocessor programming and PCB design would be of benefit.
6. An interest in accessibility in a music and/or educational environment would be an advantage.

Responsibilities and Accountabilities:

1. Support, development and documentation of current software, primarily in the Max/MSP programming environment.
2. Design, research and evaluate future software developments and functionality improvements.
3. Participation in future product conception.
4. Provide telephone and web based technical support to clients.

Detailed Job Description:

This is an exciting opportunity for a software developer to take a leading role in the development and implementation of software for employment in an educational field. We are seeking an experienced software developer who is looking to become an integral part of this exciting new music technology company, based in the heart of Scotland's capital.

Your key responsibilities will be the support and development of the current software in the Max/MSP programming environment. You will be responsible for the full cycle of software development through beta development to deployment on multiple platforms. You will be actively engaged in the design, research and evaluation of future developments and functionality improvements to the software with a focus on good interaction design practices for accessible instruments. You will have an appreciation of good customer service and will be willing to provide customer support of a technical nature on an ad-hoc basis to clients on the phone and over the web.



Skoogmusic Ltd
27 Albert Street
Edinburgh
EH7 5LH

www.skoogmusic.com
+44 (0) 131 554 2838

Registered in Scotland.
Reg. No. SC362999
VAT Reg No 978 8931 35

You will have at least a Masters qualification in a relevant subject and/or a substantial body of commercial experience in the design and delivery of audio related software. You will have extensive knowledge and experience of Max/MSP including the ability to interface with Javascript and Java, and experience of the creation of C/C++ based external objects. You will have an understanding of interfacing Max/MSP with custom-built hardware controllers. You will have a working knowledge of DSP and synthesis techniques such as physical modelling and wavetable synthesis and their implementation in the Max/MSP or C/C++ based programming environments. You will have some experience of software development either in an educational or commercial environment and will have experience of version management systems such as subversion.

You will have a knowledge of the wider field of music production related software and hardware issues being able to deal with problems that might arise with integrating the Skoog software with the leading industry DAW's and audio plug-ins. Knowledge of VST and plug-in development would also be an advantage as would a knowledge of the issues arising from running audio software on different operating systems such as Windows 7, XP and Mac OS.

The right candidate will have a creative and analytical personality with very high quality standards and an autonomous and results orientated working style. They will be proactive and innovative with the ability to work flexibly and to finish work to deadlines.

The Software Developer reports primarily to the Technical Director but must also provide support to the Company Directors and all members of the team. They must be able to prioritise their own workload to deliver software developments to deadlines whilst managing multiple tasks such as feedback from beta testers and functionality requests.

This role offers the opportunity to become an integral part of Skoogmusic Ltd and to contribute to the development of future products. In return the company will offer training and opportunities for further career development.

Working hours are reasonably flexible for this role but you will normally be required to work a minimum of 40 hours per week. You may, from time to time, be required to work longer or unsociable hours.

Company Information:

Skoogmusic Ltd is an innovative new technology company with a brand new approach to inclusive music participation. We are an expanding company with a predominantly educational client base. Skoogmusic's products are designed to be intuitive, expressive, and fun, and are aimed at children and adults who, for one reason or another, cannot play traditional musical instruments.

www.skoogmusic.com

To apply, please send your CV and covering letter to jobs@skoogmusic.com

Issue Date: Wednesday 29th September 2010
Closing Date: Wednesday 13th October 2010
Reference: SKM_10101