PCKIZ INTERNSHIP—ALLPOINT SYSTEMS

Project Overview

Allpoint Systems (Allpoint) is a Pittsburgh-based 3D data processing and software development company. We plan to release a software package for 3D modeling in the third quarter of 2010 and are seeking motivated individuals to assist with market research, product testing and product documentation in preparation for product launch.

Background

Range sensing hardware is becoming faster, affordable, more accurate and easy to use, which coincides with an increasing number of applications and users of 3D technology. Current industries that utilize 3D technology include civil engineering, plant engineering, architecture, entertainment, gaming, criminal forensics and archeology. Common applications across these industries include asset management, industrial design, reverse engineering, quality control, inspection and documentation. As a result of the growing popularity with 3D laser scanning, there is dramatic need to develop capable 3D processing software. Allpoint owns and operates a world-class automated 3D processing engine, which currently analyzes approximately 400,000 ft of 3D laser-inspected pipe on a yearly basis. Allpoint is in the process of repackaging its technologies to address the industry need for easy conversion of point data into more usable information formats.

Objectives

The following activities will be performed over the duration of the internship:

- **Secondary market research**: survey existing 3D scanning software; list 3D applications and users; review blogs and document customer options on existing software packages
- **Primary market research**: interview existing and prospective users of 3D software tools
- **Requirements documentation**: document product and market requirements
- **Product testing**: evaluate pre-release versions of Allpoint’s 3D software
- **Product marketing**: create product user guides/tutorials and other documents

Impact

Successful execution of these objectives will directly impact the outcome of our product launch. The market research will influence our product design and product launch marketing strategy. Customers will rely on the software user’s guide and tutorials. This internship is a great opportunity to experience the process of bringing an innovative, new software product to market.
Qualifications
• Familiarity of Microsoft Office Suite (Word, Excel, and PowerPoint)
• Completion of a technical writing course (or equivalent)
• Candidates familiar with image processing software preferred
• Candidates exposed to 3D software (CAD, 3D Max, Maya) also preferred

Hours:
The internship will last for eight (8) weeks.
The intern is able to work up to twenty-five (25) hours per week at a pay rate of $10.00 per hour.

Interested students should send their resume to Karen Eady-Lockett at Kelockett@pckiz.org.

For additional information about ALLPOINT SYSTEMS, please visit their website at www.allpointsystems.com.
For more information about the Pittsburgh Central KIZ please visit our website at www.pckiz.org.