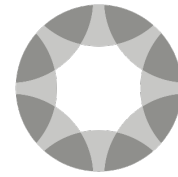


CapeRay



CapeRay Mechatronic/Software Engineer

Duties & Responsibilities

1. Design software solutions using object orientated design processes
2. Write both high level and embedded code for the Mac OSX and iOS operating systems in Python, C, Objective-C primarily using the Xcode IDE.
3. Assist with the design and maintenance of electronic sub-systems
4. Carefully document all code and ensure the regular archival of code using CapeRay's version control system, Subversion
5. Software engineering good practice and discipline, including application of the IEC 62304 standard throughout the software development life cycle
6. Write software to provide graphical and text-based interfaces for the software components (control and diagnostic) of the Aceso dual-modality imaging system.
7. Develop ad hoc tools for research platforms and embedded code for the Mac OSX and iOS operating systems.

Recommended Experience

1. 2+ years of experience in writing both high level and embedded code
2. Knowledge of and experience in writing object orientated code, specifically Python, C++ and Objective-C
3. Documentation of professional commercial-quality code using structured version control
4. Experience with image processing algorithms will be beneficial
5. Knowledge of Apple technology, particularly OSX and iOS operating systems, would be an advantage
6. Experience in electronics and microcontrollers

Qualifications & Requirements

1. BSc (Eng) in Computer, Electronic, Electrical or Mechatronic Engineering
2. Must have an aptitude for a research and development environment
3. Ability to work with a multidisciplinary team of engineers and designers
4. Ability to complete tasks on time according to a project plan
5. Excellent problem solving skills and analytical ability
6. Candidate must be enthusiastic, positive and self-motivated

Compensation: Competitive package, based on experience

Company: <http://www.caperay.com>

Application: Send your CV, a letter of motivation and contact details for three references to josh@caperay.com