Xxxx Yyyyy

xxx.yyyy@gmail.com
801.123.4567

www.linkedin.com/in/xxxyyyy

SUMMARY

- **Two year's experience designing catheters for cardiac resynchronization lead implantation**
- **Adept at applying biophysical theories to solve engineering problems**
- **Specialized in developing electrophysiology research methods and experimental protocols**
- **Collaborative with cross-functional teams at all stages of product development**
- **Skilled at mentoring and training in technical procedures and protocols**

EDUCATION

PhD, Bioengineering, *Electrophysiology and Biophysics*
University of Utah, Salt Lake City, UT **GPA: 3.98** Fall 2013

BS, Mechanical Engineering
University of St. Thomas, St. Paul, MN **GPA: 3.68** May 2008

RELATED EXPERIENCE

Research Assistant
Zaitsev Lab, University of Utah, Salt Lake City, UT August 2008 - present

- Investigate causes of electrical failure in sudden cardiac arrest and reperfusion.
- Develop and maintain optical imaging systems to elucidate physiological mechanisms.
- Apply biophysical principles to create new image analysis methods.
- Author research manuscripts for national and international scientific journals.
- Present novel scientific findings at research and clinical conferences.
- Mentor graduate and undergraduate students on imaging techniques.

Technology Development Intern
St. Jude Medical, Minnetonka, MN August 2006 - August 2008

- Conceptualized and built prototype catheters for pacemaker lead implantation.
- Applied engineering principles to test physiological sensors.
- Analyzed and presented data from bench-top and animal studies.
- Researched scientific literature relating to new products.
- Collaborated with technicians to transition products to manufacturing.

ADDITIONAL EXPERIENCE

Teaching Assistant
Undergraduate Bioengineering Lab, University of Utah, Salt Lake City, UT Fall 2010, 2011

- Taught undergraduate students cardiac anatomy and basic electrophysiology.
- Coached students on scientific research techniques and laboratory basics.

Clinical Trial Technician
University of Utah Hospitals and Clinics, Salt Lake City, UT March 2011 - October 2011

- Collected patient vitals during clinic visits for pharmacological clinical study.
- Labeled and distributed patient samples to appropriate testing sites.
- Administered drug doses to patients and recorded compliance.

SPECIALIZED SKILLS

Confocal Microscopy • Optical Mapping • Pre-clinical Animal Studies • Image Processing • Data Analysis • Prototype Development • Bench-top Testing • Computer Aided Drafting • Microsoft Office Suite • Java & Matlab Programming • R Statistical Software

PROFESSIONAL AFFILIATIONS

American Heart Association • Biophysical Society

SELECTED PUBLICATION

Yyyyy, X, et al. "Detection of Mitochondrial Depolarization/Recovery During Ischaemia-Reperfusion Using Spectral Properties of Confocally Recorded Tmrm Fluorescence." *J Physiol* (June 2013).
http://tinyurl.com/xxxyyyy-publications