

# Theodor M. Perivolaris

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Re: Technical Writer Position at Synaptive Medical

Good Afternoon,

During my time studying Biomedical Engineering at Ryerson University, I perfected my technical writing skills. I was responsible for writing, updating and editing countless technical reports and documents - about 15+ reports, and 4-6 major project reports per semester. In that time, I also had to create presentation text and design graphics that conveyed technical material in a manner that would allow lay-persons to grasp the concepts easily. The importance of being able to understand the target audience's needs, and customizing the material accordingly was a key feature in all writing done.

I'd like to provide you with a quick overview of how the skills I've acquired will match the needs and responsibilities of the technical writer position.

<i>Responsibilities/Qualifications</i>	<i>My Qualifications</i>
<i>Work closely with engineers, software developers, and other subject matter experts to understand product features and functions</i>	Given my biomedical engineering background, I would be able to readily familiarize myself with, and discuss, product features and functions at a technical level - and be able to synthesize material for a non-technical audience
<i>Create content that introduces, explains, and ensures the safe use of Synaptive products</i>	I am familiar with regulatory standards (IEC 6060-1) relating to Mechanical Electrical Equipment, and I understand standard requirements for instructions for use (IFU) and technical documents.
<i>Modify, update, and enhance existing technical publications as necessary</i> & <i>Work closely with other team members to ensure quality and consistency in technical publications</i>	As Project Manager for my Capstone Design Project, my team and I worked together to ensure all material was consistent and technical content was explained in a clear and concise manner,  As Orientation Chair, I was responsible for updating, modifying, and consolidating existing material from multiple sources for future Orientation Chairs.
<i>Create or source drawings, graphics, photographs and other images for use in technical publications</i>	For multiple course projects I was tasked with designing drawings to represent technical ideas, and graphics to convey information in an easily quantifiable manner.  <i>Tools Used: Adobe Photoshop, and InDesign</i>

I am confident that my abilities will complement this position well and that I will be a great addition to the team at Synaptive Medical, and if you do too, then I look forward to hearing back from you. You are welcome to phone or e-mail me at any time to answer any additional questions you may have, or to schedule a meeting in person.

You may contact Beau Standish, CEO of 7D Surgical, who was my Capstone Design Project supervisor at Ryerson University who can provide a reference for me, and my technical writing skills. His mobile phone number is 647-881-0798.

Thank you for your time.  
Regards,

Theodor M. Perivolaris

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## Relevant Experience

### Research Student

May. 2015 - Present

University of Toronto

- Responsible for designing an algorithm capable of classifying sleep stages based on surface EEG signals
- Research current literature for existing methods of sleep stage classification
- Test algorithm on EEG data from various sleep studies
- Identify best practices for data acquisition, and for testing of algorithms on lab acquired sleep signals

### Project Manager - Capstone Design Project

Oct. 2013 - Apr. 2014

Ryerson University

- Developed and tested an iOS App., which allowed a user to capture, crop, and rotate a photo of an unknown skin condition and then classify the skin condition
- Configured neural network for classification of skin conditions ( $N = 6$ ), wrote a script to find optimal hyper-parameters for the network which increased test set confidence by 30%
- Developed back-end to provide user with diagnosis of skin condition, confidence of networks prediction, and recommended possible treatment options
- Regularly attended meetings with supervising professor, and generated weekly progress reports.

### Technical Skills

- MATLAB  
Simulink, Image Processing, Signal Processing, Parallel Computing, Neural Networks
- Python  
Pandas, NumPy, SciPy, SciKit Learn, Requests, BeautifulSoup
- R

### Other Selected Projects (Academic and Personal)

- Implemented various machine learning algorithms in Python for analysis on Enron's e-mail corpus (including natural language processing)
- Designed, fabricated and tested a 3 lead monitoring electrocardiogram (ECG)
- Created algorithm in MATLAB to detect possible seizures in EEG signals
- Conducted field study and analysis on the use of rapid serial visual presentation to increase the rate of reading

## Volunteer Experience

### Ryerson Engineering Student Society

Jan. 2012 - Oct. 2012

Orientation Week Chair

- Organized and supervised Orientation events for over 1,000 Engineering students.
- Secured and managed the \$18,000+ budget, a 55% increase from the previous year, by presenting the need for an increase to the Dean of Engineering.
- Managed a team of 3 vice-chairs, 10+ organizing volunteers, and 90+ student leaders.
- Prepared feasibility and risk management analysis for the 15 orientation events

### FIRST Robotics Competition - Team 907

Sept. 2010 - Dec. 2012

Mentor

- Advised Team 907 through strategy synthesis and design process.
- Developed and maintained relationships with student team members and mentors.

## Education

### B.Eng

Ryerson University

Biomedical Engineering

### Key Courses

- Design of BioMEMS
- Radiation Therapy Devices
- Biomedical Image Analysis
- Biomedical Instrumentation
- Human-Computer Interfaces
- Biomedical Signal Analysis
- Anatomy/Physiology

### Non-Technical Skills

- Microsoft Office Suite
- Apple iWork Suite
- Adobe Creative Suite
- Technical Communication (IEEE)
- Leadership skills
- Team Oriented