

**Kelvin L Chan**  
kelvinchan@gmail.com

118 Country Club Drive  
Oxford, CT 06478  
203-509-0792

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**EDUCATION**

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**Boston University**

M.S. Candidate in Biomedical Engineering  
Current GPA 3.78 on a 4.0 scale

Boston, MA  
May 2011

**CarnegieMellonUniversity**

Received B.S. in Biology and Psychology with University Honors  
Science and Humanities Scholars Program  
Final Cumulative GPA 3.67 on a 4.0 scale

Pittsburgh, PA  
2004-2008

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**ACTIVITIES**

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Hospital Elder Life Program, UPMC Shadyside Volunteer Department  
CMU EMS  
Health Professions Program

2008 to 2009  
Fall 2005  
2005 to 2008

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**EXPERIENCE**

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**M.S. Thesis Research**

**Boston University**, Dept of Biomedical Engineering  
Dr. Joe Tien, Molecular and Cellular Biology Program

2011 to present  
Boston, MA

- Assessing effect of collagen material properties on engineered microvessels derived from human blood endothelial cells
- Implementing image processing techniques to assist analysis of microvessels

**Volunteer and Student Researcher**

**University of Pittsburgh School of Medicine**, Hillman Cancer Center  
Dr. Yong Wan, Associate Prof of Cell Bio and Physiology

2007 to 2009  
Pittsburgh, PA

- Helped develop a system for differentiating cardiomyocytes for protein purification
- Assisted with generation of mouse stem cell lines
- Maintained lab equipment and stocks
- Assisted post-doctoral fellow Armin Gamper with cell culture, immunoblotting, and purification

**Teaching Assistant****Carnegie Mellon University**

Dr. Carrie Doonan, Department of Biological Sciences

Fall 2007  
Pittsburgh, PA

- Supervised and assisted students in Molecular Biology and Genetics laboratory course
- Worked with other TAs to write and grade weekly quizzes and assignments

**Summer Intern**

**Janssen Ortho-McNeil Neurologics**, Medical Affairs Division  
Julie A. Capece, Assistant Director of Medical Affairs Division

Summer 2006  
Titusville, NJ

- Shadowed Pharm.D and M.D. personnel in high level management of pharmaceutical studies

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**SKILLS**

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**Biology**

Cell culture (cancer lines, mouse stem cell lines), immunoblotting, lentiviral cloning, Protein Isolation and Purification from Yeast/Bacteria/HeLa/Mouse, Fluorescence Microscopy, DNA isolation, PCR, Gel electrophoresis, ELISA

**Engineering**

Soft tissue rheology, Matlab computation, signal/image processing

**Chemistry**

Organic Synthesis, HPLC, ultraviolet, visible, IR, and NMR spectrophotometry, atomic absorption spectroscopy, simple and fractional distillation

**Certifications**

Emergency Medical Technician-B