

Frederick Goh

CONTACT

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EDUCATION

Biomechanics

University of Waterloo
(2014 – 2017)
Master of Science,
Kinesiology

Mechanical Engineering

University of Waterloo
(2009 – 2014)
Bachelor of Applied Science,
Honours, Coop (with
Distinction)

SKILLS

Sketch
InVision
HTML5 | CSS3
MATLAB | NI Labview
R Studio

INTERESTS

Human Factors | UI/UX |
Gamification | Prosthesis |
Education

WORK EXPERIENCE

University of Waterloo • Anatomy Lab Teaching Assistant

Waterloo, ON | Jan 2015 – Apr 2015, Jan 2016 – Jul 2016

Prepared and presented key concepts on cadavers. Facilitated an engaging experience by asking leading questions and tying concepts to real-world applications.

University of Waterloo • Intro to Biomechanics Teaching Assistant

Waterloo, ON | Sep 2014 – Dec 2014

Guided and encouraged participation for students' exploratory lab experiences. Provided constructive feedback in-person and on lab reports and exams.

Baylis Medical Company • R&D Endovascular Engineering Assistant

Mississauga, ON | Jan 2013 – Apr 2013

Developed prototypes and manufacturing protocols for catheters; trained production staff. Coordinated 3 concurrent projects for different supervisors.

Sunnybrook Health Sciences Centre • Medical Device Design Assistant

Toronto, ON | May 2012 – Aug 2012

Developed a custom test jig and code to assess distortion in catheter devices. Executed an engineering design process to create CAD models for a surgical support table.

University of Waterloo • Mechanical Research Associate

Waterloo, ON | Sep 2011 – Mar 2012

Confidently presented research, calculations, and simulation results to stakeholders for different industry partners.

University of Waterloo • Biomechanics Research Assistant

Waterloo, ON | May 2010 – Aug 2010

Dissected, prepared, and tested human ligament specimen; analyzed their mechanical properties under different conditions.

EXTRACURRICULAR

University of Waterloo Badminton Club • Director

Waterloo, ON | May 2010 – Jul 2017

Led exec teams with focus of retention and sustainability. Fostered club brand through logo design, marketing video, and banner projects. Continually improved member experiences through new event ideas and improving user flow.