Michiko Feehan

(202) 286-6046 • mfeehan2@u.rochester.edu

Collegiate Education

University of Rochester   **Rochester, NY**
BS in Biomedical Engineering with Biomechanics   *anticipated May 2018*

- **Programming**   MATLAB (proficient), Java (proficient), Python (Basic)
- **Software**   Microsoft Office, OrCAD, Eclipse, Calico, Solidworks, Android Studio
- **Languages**   Japanese (bilingual proficiency), French (elementary proficiency)
- **Skills**   Soldering, Statistical Methods, Profusion, Cryostat, DNA Purification
- **Coursework**   Object Oriented Programming using Java, Data Structures and Algorithms, Discrete Mathematics, Biostatistics, Multidimensional Calculus, Linear Algebra with Differential Equations, Calculus I-II, Signals, Systems, & Imaging, Biomechanics, Biosystems and Circuits, Biomechanics MATLAB for Biomechanics, Fluid Dynamics, Principles of Biology I, Solid Mechanics, Electricity & Magnetism, Chemistry I-II, Biomaterials, Biosolid Mechanics, Design Seminar, Quantitative Physiology

Research Experience

Strong Hospital   **Rochester, NY**
Center for Translational Neuromedicine (Goldman Lab)   *Oct 2017*
- Performed DNA purification, profusion, microscope, and cryostat. Observing animals for research related to Huntington's disease.

University of Rochester   **Rochester, NY**
Department of Physics (Quillen Lab)   *Summer 2017*
- Built miniature locomotive robot and ran hybrid (granular/hydro/soft matter/fluid) experiments. Designed and manufactured and studied low-cost miniature robotic mechanisms.
  o Completed a poster presentation to present in front of Physics faculty and staff .

University of Rochester   **Rochester,NY**
University of Rochester Department of Biology (Larracuente Lab)   *Oct 2016-Jan2017*
- Worked with Professor Larracuente on research related to computational genomics, specifically the impact of satellite DNA on genome evolution.

Additional Activities

University of Rochester Baja Society of Automotive Engineers (SAE) Team   **Rochester, NY**
member   *August 2014 - January 2015*
- Used 3-D CAD design software Solidworks to design pieces for the car. Teamwork in maintaining, repairing, and welding parts for the car. Trained in safety procedures for safe hands-on use of machinery.

University of Rochester Jazz Ensemble   **Rochester, NY**
Lead Alto Saxophone   *August 2014*
- Performed standard and contemporary jazz big band music with improvisation.