

# David Tannenbaum

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## EXPERIENCE

### **University of Rochester Medical Center, Rochester, NY — *Research Assistant***

JANUARY 2016 - MAY 2017

- Conducted cell and molecular biology work such as microscopy and MEF cell culture for a pharmacology and physiology lab centered around the role of KRIT1 in the formation of lesions causing cerebral cavernous malformations
- Assisted lab manager in day to day operations, such as cleaning and maintaining equipment, and updating spending logs

### **Hartwick College, Oneonta, NY — *Lab Assistant***

JUNE - AUGUST 2014, JANUARY 2015

- Conducted basic cell and molecular biology work, such as PCR and blotting
- Evaluated the antimicrobial properties of defensins, as well as the clustering patterns of enzymes that catalyze adenine
- Assisted in the planning of classroom labs

### **SUNY Oneonta, Oneonta, NY — *Lab Assistant***

JUNE - AUGUST 2014

- Conducted basic cell and molecular biology work, such as yeast cell culture and microscopy
- Evaluated the production of retroviruses by mutated strains of yeast
- Studied the effects of different plasmids introduced into the genome of yeast

## EDUCATION

### **University of Rochester, Rochester, NY — *B.S. in Biomedical Engineering***

MAY 2017

- Concentration in Cell and Tissue Engineering
- U of R Stand-up Comedy member

## SKILLS

- Experienced in mammalian, non-mammalian, endothelial and non-endothelial tissue culture
- Proficient in microscopy, PCR and blotting
- Experienced with CAD software, ImageJ and MATLAB to conduct statistical analysis

## CLASS PROJECTS AND COURSEWORK

Cell and Molecular Biology, Bioprocess Engineering, Biochemistry, Biomedical Computation and Statistics, Biomaterials, Biosystems Process Analysis, Biomechanics, Quantitative Physiology, Fluid Mechanics, Thermodynamics, Biosystems and Circuits, Signals and Imaging

- 3-D Printed Prosthetic Hand Feedback Circuit: Developed a circuit which could be placed onto the fingertip of a prosthetic hand to provide audio feedback in response to pressure exerted by the user.
- Ring Device for Visually Impaired Diabetic Patients: Developed a ring which could provide guidance for lancets and test strips so visually impaired patients could perform glucose monitoring.