

Bethany Lennox
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UNDERGRADUATE EDUCATION

UNIVERSITY OF ROCHESTER- ROCHESTER, NY

Bachelor of Science in Biomedical Engineering, Cum Laude with Distinction- May 2016

- Concentration in Biosignals and Biosystems, Minor in Brain and Cognitive Science- Music Cognition
- Membership in Tau Beta Pi, Alpha Eta Mu Beta (biomedical engineering honor society)
- Currently enrolled in Center for Medical Technology and Innovation- Expected Master's May 2017

BIOMEDICAL ENGINEERING COURSES AND PROJECTS

- Biomedical Undergraduate CV- Fundamentals of Biomechanics; Biosystems and Circuits; Biomedical Signals, Systems, & Imaging; Physiological Control Systems; Biomaterials; Biomedical Computation & Statistics; Quantitative Physiology; Introduction to Neuroengineering; Human Anatomy; Electromagnetic Waves; Digital Signal Processing; Engineering Computing- MATLAB
- Circuit Design Project- designed, modified, and built circuit to incorporate red and infrared light sensors measuring refraction off of varying levels of deoxygenated tissue and to convert refracted signals to voltage differences measurable on oscilloscope
- Biomechanics/MATLAB Analysis Project- developed MATLAB program to analyze clinically acquired data on head displacement and rotation after sudden displacement of body to determine forces exerted with and without "protection" of football helmet
- Senior Design Project with TouchStream Solutions- worked as part of five-person team to review existing medication management pill box and alternative products, examine critical needs for various customer types, brainstorm ways to match current issues with customer desires, prototype, build, and test final solution: larger, accessible box with Bluetooth pairing to ensure medication adherence

EMPLOYMENT

UNIVERSITY OF ROCHESTER EVENT AND CLASSROOM MANAGEMENT ROCHESTER, NY

Classroom and Event Technical Assistant Fall 2012-Present

- Demonstrate communication skills assisting professors and students with technology around campus, teamwork skills working with 3-4 person team to service classrooms, customer service by assisting clients with issues, offering alternative solutions, and building relationships with repeat clients
- Show organizational, managerial skills by recording and scheduling time-sensitive tasks, assigning and performing tasks effectively and efficiently, training new employees on procedures and equipment
- Experience using and servicing several types of technologies including PCs, Macs, DVD/VHS players, electronic projectors, document cameras, wireless microphones, video cameras, etc.

UNIVERSITY OF ROCHESTER COMPUTER SCIENCE DEPARTMENT ROCHESTER, NY

Teaching Assistant Spring 2014

- Exhibit communication and teamwork skills by working with 2-3 additional teaching assistants to lead MATLAB coding laboratory sessions of 45 students, individual concentration on 10 assigned students
- Experience using MATLAB coding software, leading in teaching environments, adapting teaching methods to meet students at various skill levels in order to ensure student completion of assignments