

Isabella Watson

Biomedical Engineer

BS Student in Biomedical Engineering at The University of North Carolina at Chapel Hill, made Dean's List (2018), specializing in electrical engineering and robotics, with professional experience as a senior engineering intern at X2 Health, LLC and robotics instructor at Stanford University.

Work Experience

12/2017 - present	Senior Engineering Intern <i>X2 Health, LLC</i> <ul style="list-style-type: none">Lead development teams in the research, design, and manufacture of an at-home, non-invasive, HPV detection test.Perform ELISA testing and various lab work to test device.Pitch at various competitions to win funding for the project (\$11,000 in 2018).
05/2018 - 08/2018	Summer Robotics Instructor <i>iD Tech Coding & Engineering Academy</i> <ul style="list-style-type: none">Taught C++ and electronics fundamentals to high school students.Built a self-driving car with the NVIDIA Jetson TX1 chip.
01/2017 - 05/2017	Pre-Calculus Teaching Assistant <i>UNC Chapel Hill Department of Mathematics</i> <ul style="list-style-type: none">Prepared lectures to teach students pre-calculus theories.Attended all lectures to help students in-class.Proctored exams.

Education

09/2016 - present	BS in Biomedical Engineering, The University of North Carolina at Chapel Hill Expected to graduate in May 2018 3.3 GPA Favorite fields of study: Electronics I and II, Biomedical Instrumentation. Key achievement: Designed, 3D printed, programmed, and did electronics for a robotic prosthetic arm. (http://bellawatson.me/Arm.html) Extracurricular activities and achievements: <ul style="list-style-type: none">Executive Design Chair in Feelin' DNA (https://www.feelindna.org/).Tutor at UNC Math Help Center.Working on the Development of a Mechanically-Actuated Prosthetic Hand to Donate to Syria.
08/2014 - 06/2016	AS, Forsyth Technical Community College 3.9 GPA Favorite fields of study: Calculus I, II, III Extracurricular activities and achievements: <ul style="list-style-type: none">President's List 2014-2016.President of the FAACT Club (Future Advocates for Children of Tomorrow).EDU 119 (Early Childhood Education) Certified.Journalist for Weekly College Publication.

Awards and Honors

04/2018	3rd Place- i4 Engineering Competition
12/2018	Dean's List, The University of North Carolina at Chapel Hill
05/2016	President's List, Forsyth Technical Community College
05/2016	EDU 119 Teaching Certification

Personal Info

Location
Chapel Hill, NC 27514
E-mail
isabellaelizabethwatson@gmail.com
GitHub
https://circleci.com/gh/isabellaw5
www
http://bellawatson.me/

Skills

SolidWorks 3D Modeling - excellent
Python Programming - excellent
C++ Programming - excellent
Web Design and Development - excellent
Micro Controllers - excellent
NI Multisim - excellent
Soldering - excellent

Languages

Italian - B1 Level
