

Anna Wujciak

15284 Bealfred Drive • Fenton, MI 48430
810.347.8053 • anna.wujciak@yale.edu

Education

Yale University, New Haven, CT Graduation May 2017
Bachelor of Science in Biomedical Engineering

Fenton High School, Fenton, MI Graduation May 2013
International Baccalaureate (IB) Diploma, High School Diploma

Experience

Yale School of Engineering & Applied Sciences, New Haven, CT, Research Assistant Fall 2015-Present
Studying aortic composition and dissection via regional analysis. Stimulating contraction, capturing microscopic images, and collecting data from parallel MATLAB scripts. Continuously editing and adjusting program for more accurate analysis. Presenting results in Python, drawing conclusions, and designing further investigation.

Undergraduate Research Associates in Pediatrics, New Haven, CT, Intern Summer 2016
Researched child abuse and neglect reporting through qualitative interviewing. Directed models at the Yale Center for Medical Simulation. Shadowed in the Pediatric Emergency Department at Yale New Haven Hospital.

Yale Summer Session, Dubrovnik, Croatia, Study Abroad Student Summer 2015
Studied the History and Culture of Southeastern Europe from prehistory to the twenty-first century. Experienced culture and enhanced the coursework by taking weekend visits to Bosnia, Montenegro, and other parts of Croatia.

Pinnacle Orthopedics – Arthrex, Madison Heights, MI, Intern Summer 2014-2015
Prepared and assisted with various procedures using Arthrex products for sports injuries. Observed and practiced multiple procedures and methods of repair for the foot, knee, and shoulder.

University of Michigan C.S. Mott Children’s Hospital, Ann Arbor, MI, Intern Summer 2014
Worked with Dr. Robert Morrison on three biomedical engineering research projects utilizing 3D printing in the otolaryngology department including custom CPAP masks, trachea splints, and ear graphs.

Hemlock Semi Conductor, Hemlock, MI, Intern Summer 2013
Analyzed safety data and recommended improved procedures within the polysilicon production area. Observed clean room processes. Developed employee training modules.

Activities

Biomedical Engineering Society, Yale University, President 2014-Present
Providing information and resources to BME majors and enhancing the greater STEM community at Yale.

Medical Service Trips
Volunteers Around the World Medical Trip (Peru, March 2016), Volunteers Around the World Medical Trip (Panama, March 2015), Reach Out Trip (Philippines, March 2014), Mission Trip (Guatemala, July 2013)

Swimming
NCAA Division I Varsity Student Athlete (2013-2015, 2014 Second Team All-Ivy, 20+ hours per week), Flint Falcons’ National Team Member (2008-2013, Captain 2011-2013), USA Swimming Top 16 Athlete (2006-2013)

Women’s Club Water Polo, Yale 2015-Present
Assistant Player Coach, 2016 North Atlantic Division Champions, National Qualifier

Community Outreach, Yale University Dwight Hall Programs 2014-2016
Girls Swim (Curriculum Director), Yale Hunger and Homeless Action Project (Communications Director)

LEAD Program/Kiputh Leadership Academy, Yale Leadership Institute 2013-2015
Cultivated leadership skills such as feedback, goal setting, organization, direction, and crisis management.

Yale Undergraduate Rover Association, Yale University 2013-2016
Head of the wheel team in designing and constructing a Mars Rover for University Rover Challenge competition.

Science and Engineering Subcommittee, Yale College Council 2013-2015
Represented the STEM community and its specific needs within the larger student government.

Publications

Canines are Over Imitation, Yale Scientific Magazine January 2017

Differential Cell-Matrix Evolution Drive Regional Propensities to Aortic Aneurysm, Fibrosis, Dissection, or Neointima in Hypertension, M.R. Bersi, R. Khosravi, Anna Wujciak, D.G. Harrison, J.D. Humphrey (Submitted)

Skills

Technology

MATLAB Modeling and Simulation, Excel Data Analysis, Photoshop, SolidWorks, Maker Bot 3D Printing

Language

Proficient Spanish (second language)