

Amanda L. Jancewicz

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Education

The University of Akron, Akron, OH

Major: Chemical Engineer with Co-Op, Biotechnology Specialization

Awards: Honors College Student, Buckingham/Orr Honors Scholar, Swagelok Scholarship Recipient

Expected Graduation: May 2020

Padua Franciscan High School, Parma, OH

GPA: 4.90, Graduated with Highest Honors

ACT: 35 Composite

Awards: Salutatorian Class of 2015, Two-Time All-Ohio Academic Award, OHSAA Scholar Athlete Award, MedTrack 4-Year Participant, Mathematics Department Award

Graduation: May 2015

Research Experience

BioMacromolecular Engineering Research Group: Undergraduate Research Assistant

The University of Akron, Akron, OH

June 2015-Present

- Characterizing Polymers (NMR, GPC)
- Electrospinning of Polymers
- UV Curable Solutions
- Anionic Polymerization of Polyisoprene
- Methacrylation and Epoxidation of Polymers

Advisors: Judit Puskas, Ph. D., P.Eng. (jpuskas@zips.uakron.edu)

Barbara Fowler, Ph. D. (barbara1@zips.uakron.edu)

Engineering Experience

Austen BioInnovation Academy, Akron, Ohio

July 2013

- Learned basic engineering and economic principles
- Designed protocol and phone application for a community problem (AED awareness)

MedTrack Program Experience

Award-winning, advanced science program designed to help students explore and prepare for careers in healthcare

- Performed 40 hours of clinical observation in Biomedical Engineering at MetroHealth Medical Center's Functional Electrical Stimulation Unit, witnessing nerve stimulation and subsequent limb functioning
- Conduct primary public health research (supervised by Dr. Swagata Banik, Baldwin Wallace University) and advocate for community interventions (Health Professions Affinity Community Program of Northeast Ohio Medical University)
- Selected to represent group research on Childhood Obesity at the Family Medical Education Consortium Conference in Arlington, VA (October 24-26, 2014)

- Viewed surgical procedures via videoconferencing, including knee replacement, kidney transplant, and autopsy
- Participated in optional weekend Pre-Med Clinic Day offered by Baldwin Wallace University (exposure to adult and fetal cadavers, pig's feet suturing, public health workshop, and EKG/BP Lab)
- Earned MedTrack Externship Awards: 2nd Place Overall and Honorable Mention Externship Presentation
- Extra Courses: Human Anatomy and Physiology, Medical Terminology, Honors Advanced Science Seminar, Bioethics

Leadership

- *Honors Emerging Leaders Program*, University of Akron
- *Sports*: Varsity Girls' Soccer Captain (Grade 11-12), Varsity Girls' Track Captain (Grade 12)
- *Student Government*: Class Officer (Grade 11-12)

Activities

- *Girls' Track* (Grade 9-12): 4-Year Varsity Letterman, 2012 & 2015 State Qualifier, 2012-15 Regional and District Qualifier, 2012, 13 & 15 North Coast League First Team, Team Distance MVP 2012-14, Team Overall MVP 2015, First Team All-Ohio 2015
- *Girls' Soccer* (Grade 9-12): 4-Year Varsity Letterman, 2011 All Greater Cleveland 2nd Team, 2012 North Coast League Honorable Mention, 2013 Team Academic Award, 2014 Leadership Award
- *Other High School Activities*: Peer Ministry, Student Ambassador, National Honors Society Member, Spanish Club, Morning Announcer, Babysitter, Elementary School Tutor

Other Skills

- Moderate Knowledge of Spanish Language
- Microsoft Office (Word, Excel, Powerpoint)

Special Interests

- Running, Soccer, Biking, Hiking (Outdoor Activities)
- Reading, Movies, Music (Pop Culture)