

Caitlin M. Westerfield

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Education:

Yale University

Electrical Engineering & Computer Science

New Haven, CT

Class of 2020

Relevant University Courses:

- CPSC 201: Introduction to Computer Science
- EENG 201: Introduction to Computer Engineering
- ENAS 194: Ordinary and Partial Differential Equations
- MATH 225: Linear Algebra and Matrix Theory
- PHYS 260 & 261: Intensive Introductory Physics

Experience in Science and Engineering:

Anderson Lab at Northwestern University

September 2015-July 2016

Research Fellow

- Using programming language R, researched the RAS pathway in *Caenorhabditis elegans* to understand the factors that cause abnormal genotypes to produce normal phenotypes

Dr. Sally McFall, Northwestern University

March 2013-May 2013

Intern

- Volunteered in a biomedical engineering lab developing a compact, easy to understand, inexpensive, and battery-powered HIV-testing machine to be used in developing countries

Computing Languages

- Java, Python, Racket, and R

Extracurriculars:

Yale Daily News

Staff Reporter for the Science and Technology Desk

September 2016-present

Society of Women Engineers Yale

Social Chair

September 2016-present

Float Yale: Women in Computer Science Club

Hack Float Committee Member

September 2016-present

Women in Science, Technology, Engineering, and Mathematics Club

Founder and President

April 2014-May 2016

Science, Technology, Engineering, Arts, and Mathematics Faculty Committee

Student Representative

September 2014-May 2016

Academic Awards:

- Moody's Mega Math Challenge: Honorable Mention
- COMAP High School Mathematical Contest in Modeling: Honorable Mention
- National Merit Finalist
- Illinois State Scholar
- Eleanor H. Kornhaber Female Student in Mathematics Award
- Society of Women Engineers Award