

# Miriam Ernest

University of Michigan, '20

*miernest@umich.edu*

## Professional Experience

- 2011-2015: **Professional ballet dancer**
  - Performed with The Suzanne Farrell Ballet, the **resident ballet company at the Kennedy Center**, including tours abroad to Moscow and Oman. Also performed with Les Grands Ballets Canadiens de Montréal, Grand Rapids Ballet, New Chamber Ballet, Ballet NY, Kathryn Posin Dance Company, and Emery LeCrone Dance.
  - Regularly learned and performed demanding choreography under high-stress conditions

## Projects:

- **Built personal website with HTML and CSS**
  - Website is live at [www.miriamernest.com](http://www.miriamernest.com)
- **Final project for EECS 183**
  - Collaborated in a team of four, using **JavaScript, HTML**, and **CSS** to create a simulation of John Conway's Game of Life that won a **grand prize** at EECS 183 showcase
- **CSKickstart 2016**
  - Studied the basics of **Python** during a one-week summer program designed to encourage **women in CS** at the University of Michigan

## Relevant Courses:

### University of Michigan

- **EECS 183**—Elementary Programming Concepts (Fall 2016)
  - Introductory level programming class; learned basics of **C++** and some Python
- **EECS 280**—Programming and Introductory Data Structures (Winter 2017)
  - Functional abstraction, data abstraction, dynamic resource management
- **EECS 398**—Computing for Computer Scientists (Winter 2017)
  - Shells, environment, scripting, Makefiles, compilers, debugging tools, and version control
- **Econ 101**—Principles of Economics I (Spring 2017)
  - Microeconomic concepts and analysis, supply and demand analysis, theories of the firm and individual behavior, competition and monopoly, and imperfect competition
- **Econ 102**—Principles of Economics II (Summer 2017)
  - Fundamental macroeconomic concepts and theories
- **Math 115**—Calculus 1 (Summer 2017)
- **PubPol 201**—Systematic Thinking about Problems of the Day (*expected completion Fall 2017*)

## Awards, Skills, and additional Interests:

### Awards:

- In team of four, won a **grand prize** for simulation of Conway's Game of Life at University of Michigan showcase
- Nominated for **Princess Grace Award** by Suzanne Farrell in 2014 while dancing professionally
- College Board **AP Scholar with Honor**
- Graduated in the **top 10 of a 283-student high-school class**, with composite ACT scores in the **90+ percentile**

### Skills:

- Focused, resilient, imaginative, strong work ethic, team player, great sense of humor
- **Languages:** C++, JavaScript, Python, HTML, CSS

### Interests:

- Social justice, women in STEM, yoga, cycling, ballet