

# STEVEN MCDONALD

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## Education

Cornell University 12/2019  
Bachelor of Science in **Computer Science**

- G.P.A.: 3.52

### Relevant Coursework:

- Data Driven Web Pages
- Machine Learning for Intelligent Systems and Large-Scale Systems
- Algorithms
- Operating Systems
- Data Structures
- Object-Oriented Programming
- Computational Sustainability

### TA Introduction to Algorithms

### Honors and Awards:

- Dean's List Fall 2015
- First Place Service Category, Animal Health Hackathon 2017

Lorenzo de Medici Institute 5/2018  
Study Abroad

- G.P.A.: 4.0
- Studied fine arts for one semester in Florence

## Skills:

- *Programming:* Java, Python, C, JavaScript, jQuery, PHP, HTML, CSS, Numpy, oCaml, BASH
- *Foreign Languages:* Italian (conversational), Spanish (introductory)

## Work Experience

Yang-Tan Institute for Disability Services 2/2017-12/2018  
*Web Programming Assistant* Ithaca, NY

- Designed an interactive map using the Google Maps API for finding disability services in New York
- Created a template with HTML, CSS, PHP, and JavaScript for users to add pages to the Transitionsource.org website
- Worked for 2 semesters with a year in between

Stanford National Accelerator Laboratory 7/2016-8/2017  
*Summer Intern* Menlo Park, CA

- Automated documentation for VHDL and Python libraries being committed to GitHub
- Streamlined documenting future projects using Doxygen and Python scripts
- Spent 2 summers as an intern

## Research Experience

Cornell Lab of Computational Sustainability 8/2016-12/2016  
*Research Assistant* Ithaca, NY

- Developed a user-interface with jQuery and PHP for an incentive-based game training an AI to recognize elephant calls
- Deployed to monitor elephant populations in Africa

## Projects

Animal Friendly Chrome-Extension 01/2017-07/2017

- Designed a Chrome extension using Node.js that alerts a user if a product they are buying on any site was made inhumanely

## Leadership

Cornell Karate Club 9/2015-Present

- Co-president, 1/2019-present
  - Organize club out-reach events
  - Lead member recruitment
- Vice President, 8/2018 - 12/2018
  - Organize club events
  - Teach weekly lessons
- Hold a Black Belt in American Kenpo
  - Trained for 16 years, with a focus on self discipline and physical skill

