

# Sophie Lancaster

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## Home Address

907 Sunday Lane  
Winona Lake, IN 46590

Cell (574) 453-8530

## Campus Address

453B McGlinn Hall  
Notre Dame, IN 46556

## EDUCATION

### University of Notre Dame

Bachelor of Science in Computer Science  
GPA 3.60/4.00

Notre Dame, IN  
May 2019

### University of Notre Dame

Studied Integrated Business and Engineering and Sustainability

London, England  
Summer 2016

### The American International School of Rotterdam

International Baccalaureate Diploma Recipient

Rotterdam, The Netherlands  
June 2015

## EXPERIENCE

### McGlinn Hall

Hall Clerk

Notre Dame, IN  
August 2016-Present

- Utilize technical skills by operating basic Microsoft Office applications to assist hall rector in organizing hall emails and weekly news

### Office of Outreach and Engagement Recruitment

NDignite Connection Program Assistant

Notre Dame, IN  
August 2017-Present

- NDignite Connection is a leadership program aimed specifically at top-performing students in grades 7 and 8
- Provide feedback and create curriculum for the students participating in the program

### Society of Women Engineers (SWE)

Tech Team Co-Leader

Notre Dame, IN  
August 2017-Present

- Team that works with the South Bend community to engineer a solution for one of the city's problems
- Led the tech team by presenting Better Buses in South Bend project at SWE conference
- Prepared for conference and upcoming year by filling out group paperwork, setting up meetings with industry partners, and facilitating teamwork at group meetings

### National Science Foundation -- International Research Experiences for Students (IRES)

Summer Researcher

Budapest, Hungary  
May 2017-August 2017

- Researched machine learning and neural networks at the Pázmány Péter Catholic University under the leadership of András Horvath and Michael Niemier
- Worked with a research partner to investigate the implications of removing the fully connected layer from convolutional neural networks (CoNNs) and implementing locality-sensitive hashing in CoNNs

### University of Notre Dame

*Data Structures*

Notre Dame, IN  
January 2017-May 2017

Dining Hall Meal Planner Project, team member (4 members)

- Used C++ and HTML to create a meal planner program that takes user input and creates a meal based on the items offered in the dining hall

*Fundamentals of Computing*

August 2016-December 2016

Tiles Game Project, team member (2 members)

- Used C++ to create a version of the popular Piano Tiles game

## ACTIVITIES

*Hall Council Apparel Commissioner*

August 2017-Present

- Design apparel for the dorm

## SKILLS

*Computer:* Microsoft Office, Unix, Verilog, C++, C, Python, TensorFlow

*Language:* Sufficient in Spanish

*Website:* [slancas1.github.io](https://slancas1.github.io)

## INTERESTS

Traveling, cooking, fitness, socializing, family time, music