

# Dana Sim

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## Education

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### University of Illinois at Urbana-Champaign

December 2019

*Bachelor of Science in Engineering Physics, Concentration: Computational Physics*

GPA: 3.85/4.00

*Minor: Mathematics, Computer Science*

*College of Engineering Dean's List | Fall 2016, Spring 2017, Fall 2018*

*Department of Physics Robert A. Stein Scholarship Recipient | Spring 2019*

### University of Bristol in the United Kingdom (Study Abroad)

January 2018 – June 2018

## Skills

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- **Software:** C++, Python, Java, JavaScript, HTML, Prolog
- **Programs:** ROBLOX Studio, Squish GUI Testing, Unity Game Design, Audacity, iMovie
- **Projects:**
  - Unity video games and more (<https://vixro.github.io/danasim98.github.io/>)
  - SWE Illinois website (<https://www.societyofwomenengineers.illinois.edu/>)

## Professional Experience

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### Society of Women Engineers – Champaign-Urbana, Illinois

April 2018 – Present

*Officer Board Information Director*

- Organize and maintain the weekly newsletter, members point system, and the record of events
- Lead and volunteer at professional, community service, and outreach related events
- Represent SWE and Illinois at national and regional conferences

### ROBLOX Internship – San Mateo, California

June 2018 – August 2018

*Studio Team Intern*

- Interacted directly with a tool used to create and deliver games to over millions of players worldwide
- Engineered automated tests through Squish to ensure functionality and stability of ROBLOX studio
- Resolved bugs and implemented new features in the C++ source code for a better developer experience

### Research Assistant – Champaign-Urbana, Illinois

September 2016 – October 2017

*Lab Assistant for Dr. Alfred Hubler*

- Conducted research on the spontaneous recovery of nanocapacitors with high voltage breakdowns
- Drafted and edited multiple research papers in preparation for publication

## Leadership Experience

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### Chicago Marathon, Cancer Foundation Society – Chicago, IL

October 2017, October 2015

*Finisher and Fundraiser*

- Trained for nine months in order to complete the 26.2-mile race
- Raised over \$1,000 to be used towards finding a cure for cancer

### Summer Mission Trip – León, Nicaragua

May 2017 - August 2017

*Vacation Bible School Team Leader*

- Directed, mentored, and motivated a team of high-schoolers in presentations for 40 hours/week
- Operated and oversaw a Vacation Bible School program for a week with over four hundred children
- Worked in service projects related to construction and medical fields including dentistry