

# Dana Sim

1786 Chestnut Ave. Glenview, IL 60025 • [danasim2@illinois.edu](mailto:danasim2@illinois.edu) • (847) 840 – 1401  
[www.linkedin.com/in/danasim](http://www.linkedin.com/in/danasim)

## Education

---

### University of Illinois at Urbana-Champaign

December 2019

*Bachelor of Science in Engineering Physics w/ concentration in Computational Physics*

GPA: 3.83/4.00

*Minors in Mathematics and Computer Science*

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

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

*Illinois Engineering Achievement Scholarship | Fall 2019*

### University of Bristol, United Kingdom (Study Abroad)

January 2018 – June 2018

## Skills

---

- **Software:** C++, Lua, Python, JavaScript
- **Programs:** ROBLOX Studio, Squish GUI Testing, Unity Game Engine, 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

---

### ROBLOX Internship – San Mateo, California

Summer 2018, 2019

*Studio Team Intern*

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

*Avatar Team Intern*

- Developed the new Lua humanoid object, exposing the original C++ object to developers.
- Designed and conducted tests to determine the highest-performing model for the new skinned avatar.
- Discussed and proposed solutions to advanced problems dealing with client-server communications.

### 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

---

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

April 2018 – June 2019

*Officer Board Information Director*

- Organized and maintained the weekly newsletter, members' point system, and record of events.
- Led and volunteered at professional, community service, and outreach related events.

### Summer Mission Trip – León, Nicaragua

May 2017 - August 2017

*Vacation Bible School Team Leader*

- Directed, mentored, and motivated a team of high-schoolers for 40 hours/week.
- Operated and oversaw a Vacation Bible School program for a week with over four hundred children.