

# Saswata Gupta

1 B S O F T W A R E E N G I N E E R I N G

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Email

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Website

sgupta.me

GitHub

github.com/sas5580

## skills

- C / C++
- Python
- JavaScript
- HTML / CSS
- Object-Oriented Programming
- NodeJs
- OpenGL
- Android App Development

## projects

### OpenGL Physics Simulator

2016-2017

*Graphically integrated sandbox*



C | C++ | OpenGL

- Object-oriented design with Shader, Mesh, and PhysicsObject classes
- Responsive design to function effectively on any machine

### Quest Cabochon

2016

*Web Browser Role Playing Game*



JavaScript | Phaser | NodeJs

- Multiplayer supported with NodeJs server
- Includes completed graphics and audio as well as many game play mechanics

### LIBestimate

2015-2016

*Android app with Estimate beacons*



Java | XML | Estimate API

- Locational library system
- Features include finding books based on location followed by directions to the book

## experience

### Multiple Hackathons

2016

Demonstrated collaboration, creativity and time management when creating projects to demo to judges

*Hackathons: PennApps, HackWestern, MasseyHacks*

### Marking Assistant | Kumon

2015-2016

Demonstrated diligence with consistent large workload

Communicated with students effectively

### Warehouse Volunteer |

2015

### Habitat for Humanity

Formulated plans for product placement in the warehouse

Managed team of volunteers to effectively organize products

## awards

### Euclid Math Contest

2016

### Entrance Scholarship

Awarded for placing in the top 10% in the 2016 Euclid Math Contest hosted by the CEMC

### Magna Family Scholarship

2016

A scholarship worth \$3000 per year awarded for excellency in academics and showing involvement in the community

### Bronze Medalist at Canadian

2015

### Computing Olympiad

The top 25 scores from the Canadian Computing Competition are invited to participate in the CCO

## education

### University of Waterloo

2016-2021

Honors Software Engineering Co-op

Candidate for Bachelors of Software Engineering