Saswata Gupta

1B SOFTWARE ENGINEERING

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GitHub github.com/sas5580

skills

Languages	Platforms and Tools	Libraries
- C / C++ / C#	- MongoDB	- jQuery
- Python	- Arduino	- NodeJS
- JavaScript	- Git	- Flask
- HTML / CSS	- Linux	- OpenGL
- Java	- Shell	- PIL
- SQL	- Android	- PyMongo
- GLSL		

projects

OpenGL Physics Simulator ○ 2016-2017
Graphically integrated sandbox

🔧 **C | C++ | OpenGL | SDL**

- 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 | NodeJs | Phasor**

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

LIBestimote ○ 2015-2016
Android app with Estimote beacons

🔧 **Java | XML | Estimote 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
- Delivered feedback to students based on their performance

Warehouse Volunteer at Habitat for Humanity 2015

- Formulated plans for product placement in the warehouse
- Managed team of volunteers to effectively organize products

awards

Bronze Medalist at Canadian Computing Olympiad 2015

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

Euclid Math Contest Entrance Scholarship 2016

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

education

University of Waterloo 2016-2021

Honors Software Engineering Co-op
Candidate for Bachelors of Software Engineering