Simon Demeule
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(418) 803-8100

Skills & Abilities

Languages, written & spoken
- French
- English

Multimedia creation
- Graphic design
- Photography
- Music production
- Sound design
- Web design

Software tools
- Adobe Suite (6 years)
- Ableton Live (6 years)
- Blender (6 years)
- Max (1 year)

Programming languages
- C++ (2 years)
- C (2 years)
- Python (1 year)
- Java (3 years)
- JavaScript (3 years)
- Ruby (1 year)

Frameworks & libraries
- OpenGL (2 years)
- Unity (1 year)
- Processing (5 years)
- Node.js (1 year)
- JQuery (2 years)
- TensorFlow (1 year)
- Numpy (1 year)

Programming domains
- Graphics
- Image processing
- Sound and music
- Machine learning

As a human being
- Creative and curious
- Autonomous, able to self-teach efficiently
- Loves solving challenging problems
- Happy to receive constructive criticism
- Efficient communicator

Education

Diploma	Establishment	Date	Status
Bachelors of Computer Science — Computation Arts	Concordia University	2017 - 2020	ongoing
Cegep — Natural Sciences	Cégep Sainte-Foy	2015 - 2017	completed

Projects

- Creator of a multitude of multimedia art pieces, see portfolio URL on top of cover (2014-2019).
- Currently researching on the stability of CRBM learning models interpreted as IIR models (2019).
- Currently writing an accelerated raytracing engine optimized for bent light paths (2018-2019).
- Contributor to Monome Teletype, an open source music scripting platform built in C (2018).
- Member of llllllll.co, a place for discussion about music, arts, and technology (2017-2019).

Relevant Work Experience

Job Description	Employer	Reference	Date
Computer graphics teaching assistant	Concordia University	**Nicolas Bergeron, Teacher** bergeron@encs.concordia.ca	2019 - 2020
Graphic design, web design, teaching technology and coding to youth	Les Ateliers Kikicode	**Christine Durant, Owner** (514) 569-7167 kikinumerique@gmail.com	2018 - 2019
Creating audiovisual support for a theatre play	Espace Art Nature	**Jean-Nöel André, President** (418) 876-2209	2016
Teaching technology and coding to youth	EspaceLab Sainte-Foy	**Benoit Débaque, President** (418) 922-3004 benoit.debaque@espace-lab.org	2014 - 2016

Awards

Title	Establishment	Date
Concordia University Student Research Award	Concordia University	2019
Focal Points End of Year Exhibition DCART Prize	Concordia University	2019
Concordia University Golf Classic Entrance Scholarship	Concordia University	2017