

# MATTHEW HALPENNY.

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*514-966-2957*

## TECHNICAL SKILLS

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### CODING LANGUAGES

Java, JavaScript, C++, C, R

### & FRAMEWORKS

openFrameworks, Processing

### VISUAL PROGRAMMING

Max MSP, Max4Live, Touch Designer

### WEB DEVELOPMENT

Sass, Bootstrap 4, HTML, CSS, JavaScript

ES6 (Node.js, p5.js, jQuery, +), PHP,

Virtual Private Servers

### DATA ROUTING

TCP, UDP, Particle Cloud, OSC, I2C

### AUDIO

Ableton Live, Audacity, Pro Tools

### INTERACTIVITY

Sensing, Wearables, AVR, OpenCV

### 3D

Blender, Grasshopper, OpenGL, Rhino

### VERSION CONTROL

Git, GitHub

### OS

Windows (7-10), macOS, Linux

### LAB CREDENTIALS

WHMIS, Bio-Safety I, HWD

### BIOLOGY

Plating, Bioinformatics, Biocomputing

### LANGUAGES

English (Fluent), French (Working)

## EXHIBITIONS

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Elektra XX @ OBORO, Montreal QC

Mycocene (solo exhibit), 2019

MIAN – International Marketplace for Digital Art @ Centre Phi, Montreal QC

Mycocene, 2019

Behavioral Matter @ Centre Pompidou, Paris FR

Mycocene, 2019

Convergence @ Hexagram Black Box, Montreal QC

SenseNet, 2019

Art Matters: (dis)Connect @ Espace POP, Montreal QC

Proprionetics, 2018

CUJAH Conference: (dis)Connect @ Concordia University, Montreal QC

Proprionetics, 2018

Rita.js Gallery @ rednoise.org

poetry.DNA, Current

## GRANTS

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Caisse Desjardins New Media Creation Grant  
2019 \$5300

FASA Concordia Special Projects Grant  
2018 / 2019 \$900

Concordia Student Union Special Projects Grant  
2018 \$400

University of Ottawa Admissions Scholarship  
2013 \$8000

## EXPERIENCE

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### **Back End Developer @ IMCA raydeeh**

2019 / 2020

Coding of a live streaming backend for Concordia's Intermediate Cyber Arts Radio.  
Live mp3/oog streaming via a virtual private server running Ubuntu and Icecast.  
Developed scheduling, submissions, and archive data structures.

### **Full Stack Developer @ Art Matters**

2018 / 2019

Designed and programmed a completely new site for the 18/19 season of Art Matters festival.  
Maintained and updated the site throughout various exhibitions, workshops, and call-outs.  
Utilized p5.js (among other libraries) to create an experimental interactive UI.

### **Technical Coordinator @ Art Matters**

2018

Responsible for coordinating the technical requirements for various media exhibitions.  
Installation of artworks - projection mounting/calibration, interaction/sensor setups, audio, and cable routing/management.  
Worked closely with artists to install their works according to their needs.

### **Technical Coordinator @ Centre Phi**

2018

Installation of media/performance exhibitions, speaker series, and VR work.  
Driving between sites to move equipment in or out of storage via programming needs.  
Construction of custom props / equipment for exhibitions.

## EDUCATION

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**B.FA. in Computational Arts m. Biology** – Concordia University

2015 – 2019

**B.Sc. in Neuroscience** – University of Ottawa

2014 – 2015 (Transferred)

## ADDITIONAL INFORMATION

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**Research Member @ Speculative Life BioLab**

2018 – Present

**Affiliate Member @ Milieux Institute for Arts • Culture • Technology**

2018 – Present