Josh P. Mitchell

EDUCATION RESEARCH DEVELOPER · MULTIMEDIA DEVELOPER

17 Rita St, Dundas ON, L9H4S1

519-865-6763 | josh@joshpmitchell.ca | joshpmitchell.ca | joshmitcho | joshpmitchell

Education

McMaster University   *Hamilton, ON*

B.ENG. (CO-OP) IN SOFTWARE ENGINEERING   *Sept 2014 - Apr 2019*

- Develop a mix of theoretical and practical programming and design skills.

Skills

Personal	Professional, punctual and reliable.
	Creatively, quick-thinking and detail-oriented.
	Excellent written and verbal communication skills.
Languages	Python, Java, C#, PHP, HTML, CSS, JavaScript, SQL, Bash, C++, LaTeX.
Frameworks	WordPress, Vue, Bootstrap.
Software	Adobe Creative Cloud (Premiere Pro, After Effects, Photoshop, Illustrator), REAPER, Autodesk Inventor.

Work Experience

Education Program in Anatomy - McMaster University   *Hamilton, ON*

EDUCATION RESEARCH & MULTIMEDIA DEVELOPER   *May 2018 - Current*

- Bolster programming skills in C# and Unity though development of a stereoscopic 3D educational image viewer.
- Design custom graphics and packaging for Google Cardboard headsets (distributed to 1000 undergraduate students).
- Build a custom stereo camera rig to take stereoscopic 3D images in-house.

Faculty of Engineering - McMaster University   *Hamilton, ON*

INSTRUCTIONAL ASSISTANT INTERN   *Sept 2017 - May 2018*

- Teach tutorials and labs for ENG 1D04 - Engineering Computation, McMaster Engineering's first-year Python programming course.
- Write Python and Bash scripts to improve the usability and functionality of Jupyter Hub, 1D04's online assignment distribution system.
- Act as first point of contact for 30 teaching assistants and 900 first-year engineering students.

Education Program in Anatomy - McMaster University   *Hamilton, ON*

WEB/MULTIMEDIA DEVELOPER   *May 2015 - Sept 2017*

- Develop MacAnatomy, the online portal to the Education Program in Anatomy at McMaster University.
- Strengthen programming skills in HTML, CSS, PHP and JavaScript though development of custom WordPress plugins.
- Create educational graphics and videos using Adobe Creative Cloud.

School of Rehabilitation Science - McMaster University   *Hamilton, ON*

VIDEOGRAPHER & VIDEO EDITOR   *May 2015 - Sept 2018*

- Create promotional and educational videos for the Rehabilitation Science department at McMaster University.
- Communicate with a diverse array of clients and collaborators to coordinate large projects.

Extracurricular Activities

Community Fridges HamOnt   *Hamilton, ON*

BUILDER/HANDYPERSON   *May 2021 - Current*

- Design, build and maintain a number of community fridges across Hamilton.

YouTube   *Hamilton, ON*

CREATOR   *Jan 2014 - Current*

- Write, direct, perform and edit videos for a variety of small YouTube channels over the years.
- Channel topics range from music covers to modern politics to sketch comedy.

Stupid S*** No One Needs and Terrible Ideas Hackathon   *Toronto, ON*

PARTICIPANT   *May 2016, July 2017*

- Program the IoT USB, a "smart" USB drive that tweets when it is powered on.
- Develop a useless Java application that navigates to a series of randomly generated websites.