

Josh P Mitchell

SOFTWARE ENGINEERING STUDENT

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Education

McMaster University

Hamilton, ON Canada

B.ENG. IN SOFTWARE ENGINEERING (IN PROGRESS)

Sept 2014 - PRESENT

- Currently enrolled in final year of undergraduate studies.

Skills

Personal Professional, punctual and reliable.
Organized and detail-oriented.
Excellent written and verbal communication skills.

Languages Python, Java, C#, PHP, HTML, CSS, JavaScript, SQL, Bash, C++, LaTeX.

Frameworks Unity, WordPress, Vue, Yii, Bootstrap.

Experience

Education Program in Anatomy - McMaster University

Hamilton, ON Canada

MOBILE APP DEVELOPER

May 2018 - Sept 2018

- Bolster programming skills in C# and Unity through 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 Canada

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 Canada

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 through development of custom WordPress plugins.
- Create educational graphics and videos using Adobe Creative Cloud.

School of Rehabilitation Science - McMaster University

Hamilton, ON Canada

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

Stupid S*** No One Needs and Terrible Ideas Hackathon

Toronto, ON Canada

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.

McMaster SumoBot Club

Hamilton, ON Canada

PARTICIPANT/FINALIST

March 2016

- Design, build, wire and program an Arduino-based Sumo fighting robot.