

Christopher Baim

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SKILLS

Programming: Python, Java, Plotly/Dash

EDUCATION

M.Sc. in Neuroscience September '14 – July '17
McGill University (Montreal, Canada)
B.Sc. Major in Anatomy and Cell Biology September '10 – May '14
McGill University (Montreal, Canada)

EXPERIENCE

Regulatory Affairs Associate September '17 – Current
Novartis Pharma Canada Inc. (Dorval, QC)

- Wrote and implemented web scraping scripts to automate archiving and monitoring of regulatory documents.

Master's Student July '14 – April '17
Dr. Cloutier Lab (Montreal, QC)

- Developed Python application to document mouse behavior during psychological experiments. Widely used by behavioral researcher colleagues.
- Wrote microscope control and visualization scripts in Visual Basic.

Undergraduate Researcher March '12 – November '13
Dr. Haghighi Lab (Montreal, QC)

- Developed automated image analysis workflows.

Intern, Research & Development June – August '09
Boston Scientific (Natick, MA)

- Used AutoCAD to design flow chambers for biomedical testing.

PERSONAL PROJECTS

Political GPS

Python, QGIS

- Consolidated Canadian federal district data and voting results using QGIS.
- Developed Python script for Raspberry Pi Zero to read real-time GPS data, find current electoral district and political representative by location, and display information on LCD display.

IMDb Ratings Visualizer

Python, Plotly/Dash, Dash Bootstrap, Heroku

- Developed interactive dashboard for viewing IMDb TV show ratings broken down by Age and Gender.
- Deployed as web app to Heroku.

Dual Timer

Python (Tkinter)

- Developed Python GUI with two independent timers controlled by keyboard input.
- Total number and duration of each key press output as a CSV file.

Auto Drawer

Python (Pillow, Numpy, PyAutoGUI)

- Developed freehand drawing tool using mouse automation. From a source image, it draws a binary image in applications that allow freehand mouse drawing (ex. Microsoft Paint or Roll20).