MINDING THE GAP

A Perspective on Providing General Research IT Services

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THE UNIVERSITY OF BRITISH COLUMBIA
Department of Psychology

UBCPsychology

General Research Computing (GRC) Support

General Research Computing (GRC) Support

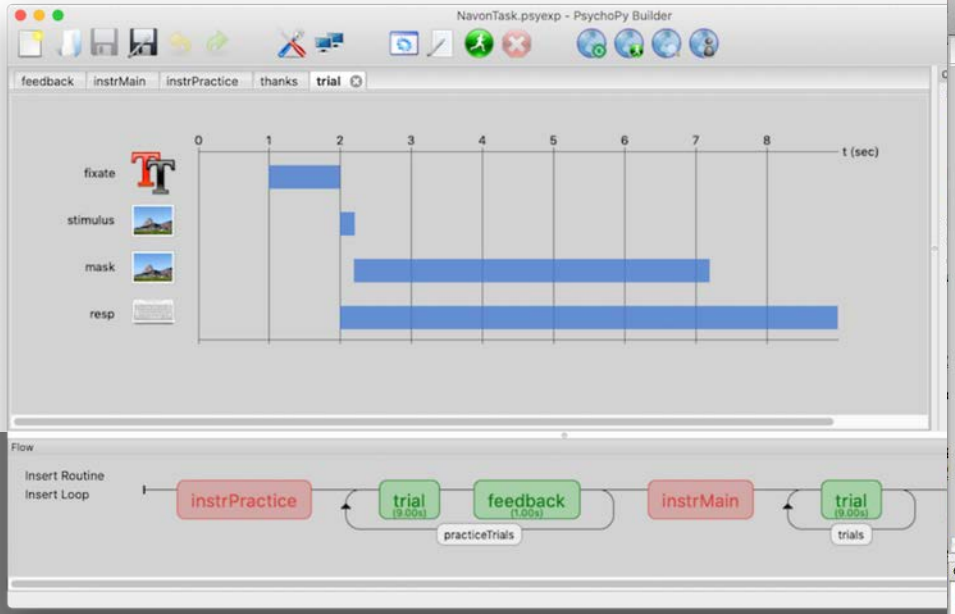
Any use of technology that supports research that can’t be easily provided by central services or digital research infrastructure

General Research Computing (GRC) Support

- Defining GRC and the components
- Staffing GRC Support
- Implementing GRC support
- Rationale for increasing GRC resources

The Components of General Research Computing Support

- **Script troubleshooting**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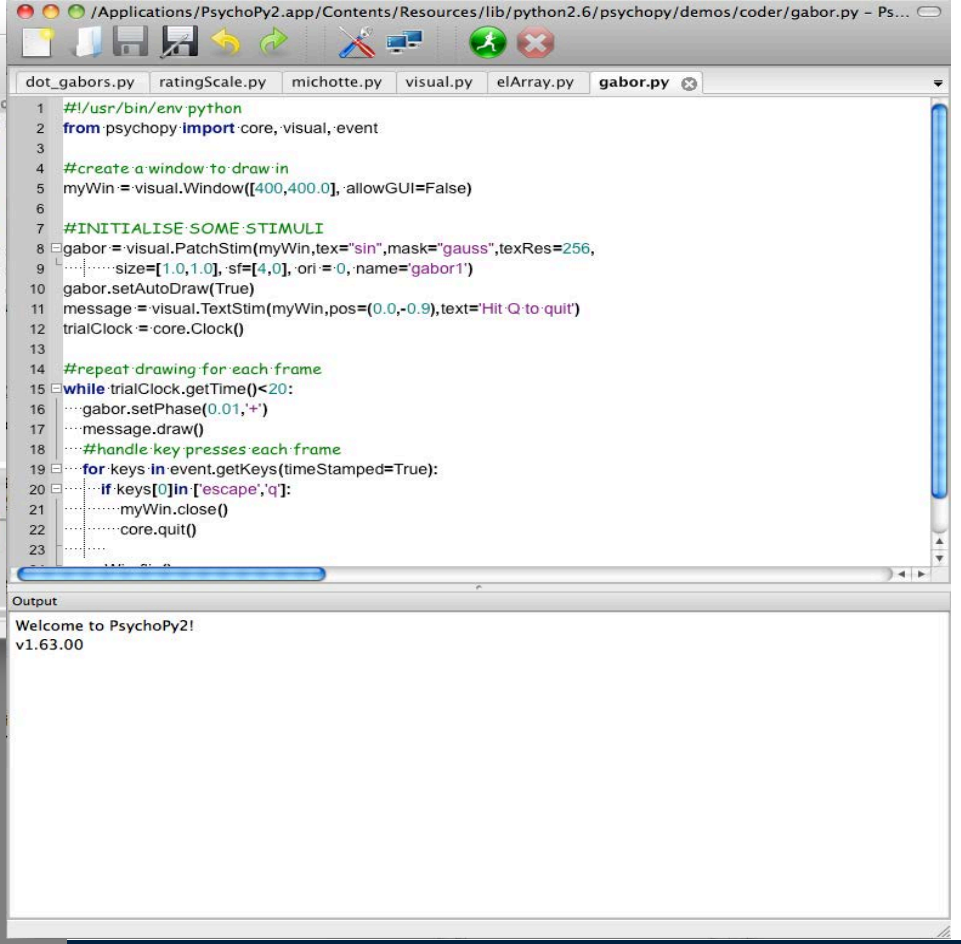
/Applications/PsychoPy2.app/Contents/Resources/lib/python2.6/psychopy/demos/coder/gabor.py – Ps...
dot_gabors.py
ratingScale.py
michotte.py
visual.py
elArray.py
gabor.py
#!/usr/bin/env python
from psychopy import core, visual, event
#create a window to draw in
myWin = visual.Window([400,400.0], allowGUI=False)
#INITIALISE SOME STIMULI
gabor = visual.PatchStim(myWin,tex="sin",mask="gauss",texRes=256,
size=[1.0,1.0], sf=[4,0], ori = 0, name='gabor1')
gabor.setAutoDraw(True)
message = visual.TextStim(myWin,pos=(0.0,-0.9),text='Hit Q to quit')
trialClock = core.Clock()
#repeat drawing for each frame
while trialClock.getTime()<20:
gabor.setPhase(0.01,'+')
message.draw()
#handle key presses each frame
for keys in event.getKeys(timeStamped=True):
if keys[0]in ['escape','q']:
myWin.close()
core.quit()
Output
Welcome to PsychoPy2!
v1.63.00

Hello world!

The Components of General Research Computing Support

- Script troubleshooting
- **Study design consultation**
- **Technical liaison**
- **Research AV support and design**

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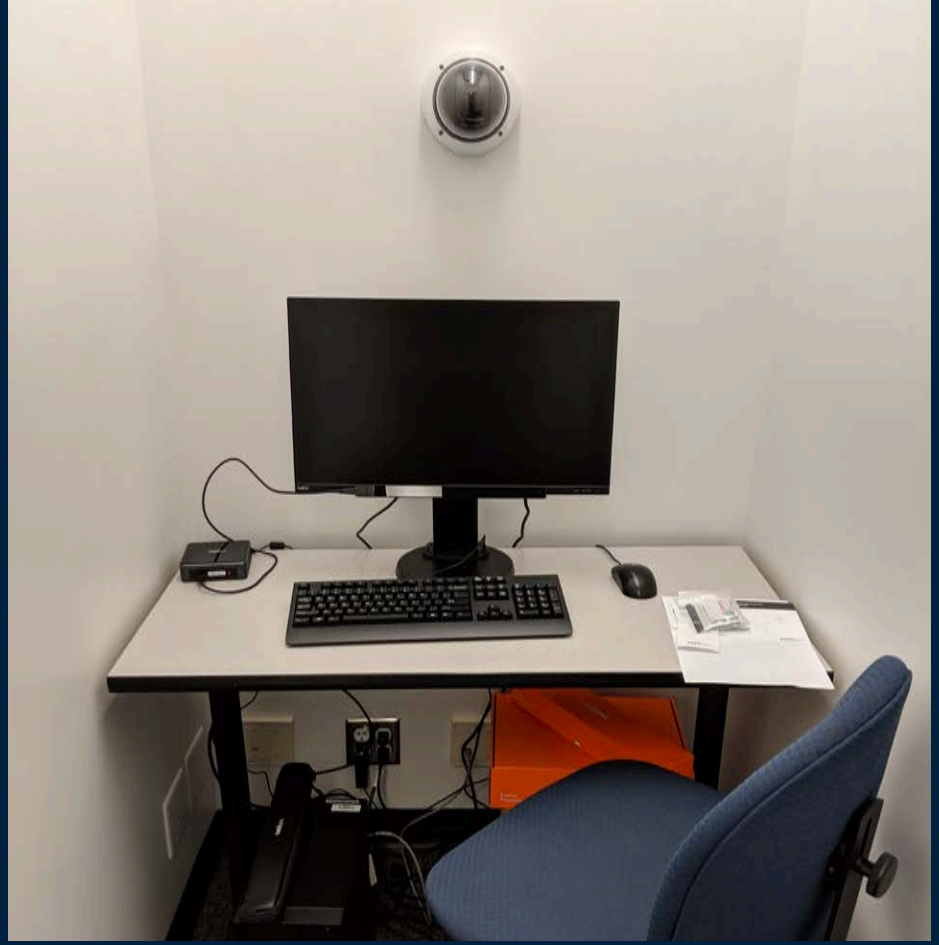

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The Components of General Research Computing Support

- Script troubleshooting
- Study design consultation
- Technical liaison
- Research AV support and design
- **Scientific software configuration**

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- **Providing digital research platforms**

The Components of General Research Computing Support

- Script troubleshooting
- Study design consultation
- Technical liaison
- Research AV support and design
- Scientific software configuration
- Providing digital research platforms
- **Equipment configuration and maintenance**
- **Assisting with legacy hardware maintenance**
- **Troubleshooting hardware compatibility**

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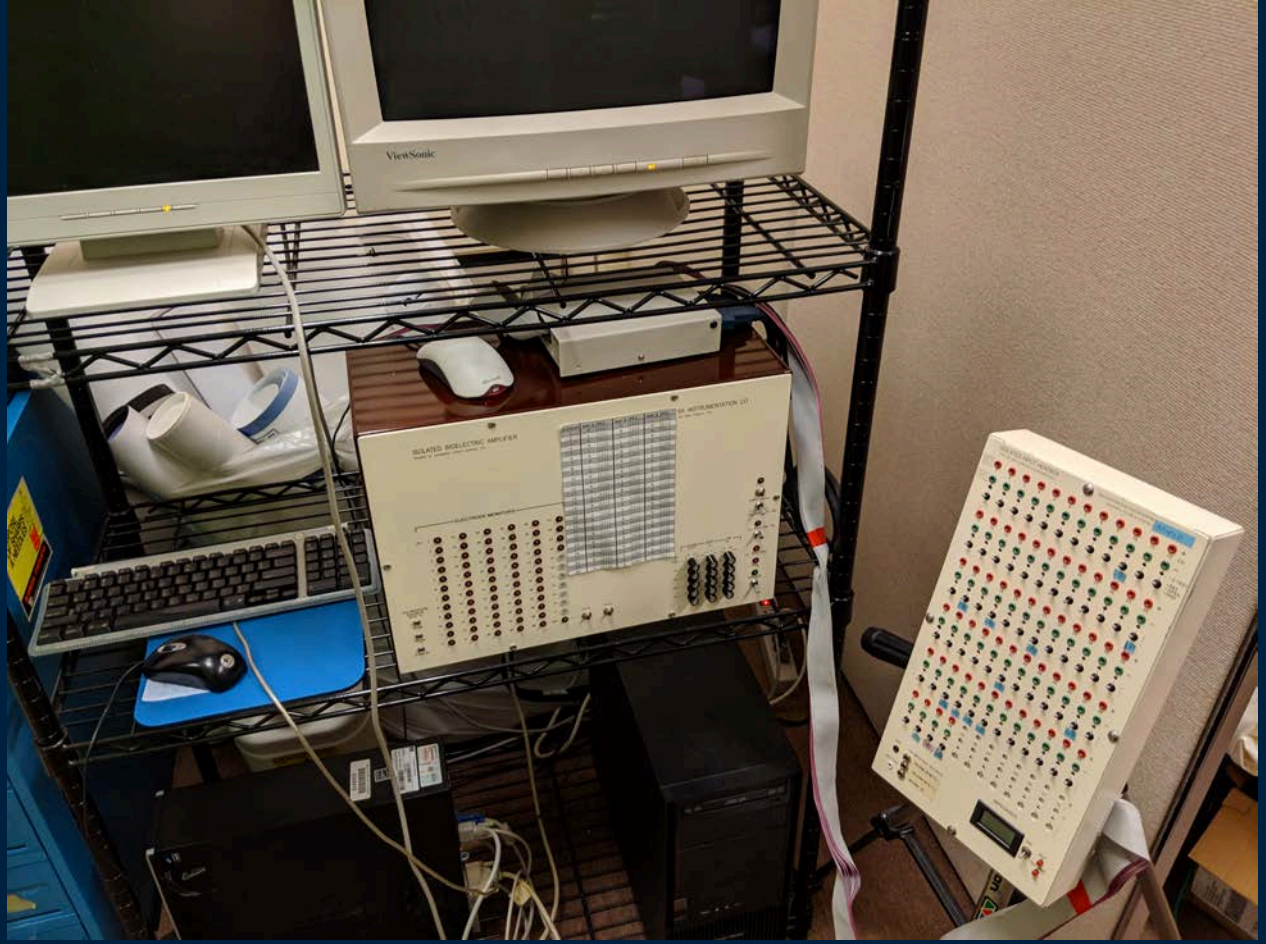

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The Components of General Research Computing Support

- Script troubleshooting
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- Research AV support and design
- Scientific software configuration
- Providing digital research platforms
- Equipment configuration and maintenance
- Assisting with legacy hardware maintenance
- Troubleshooting hardware compatibility
- **Providing quotes for grant proposals**

Who can perform this work?


YOU CAN DO IT!!
Rob Schneider in "The Waterboy"

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Lab

Lab

Department

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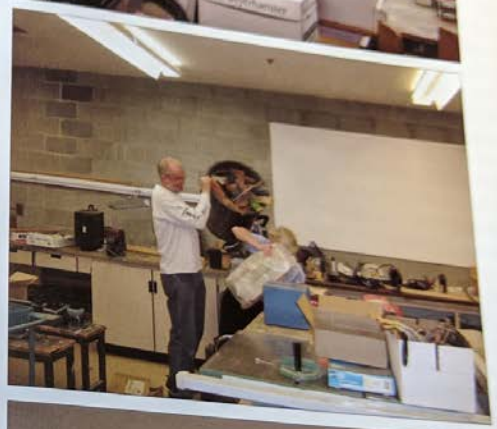

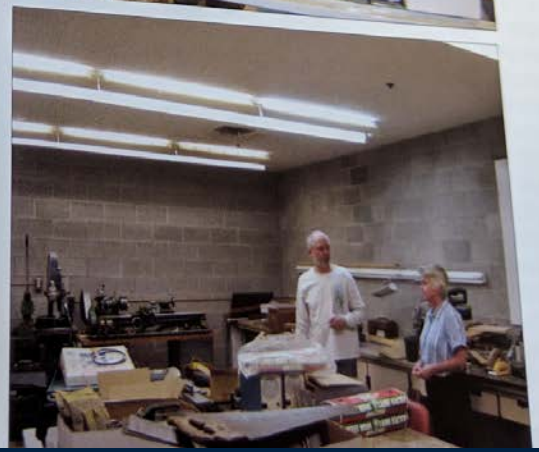

...five years of computing advances. On the right is a 1983 AST personal ...ter featuring an Intel 386 chip (at 50 MHz), 5 Mbytes RAM, and a 100 Mbyte ...sk. On the left is a 2008 Hewlett-Packard blade server system, featuring 64 ...ion processing cores (at 2.83 GHz), 96 Gbytes RAM, and over 6 Terabytes ...ve. The new HP system, which is effectively a small supercomputer, is ...ent to 19,200 of the 1983 AST ...

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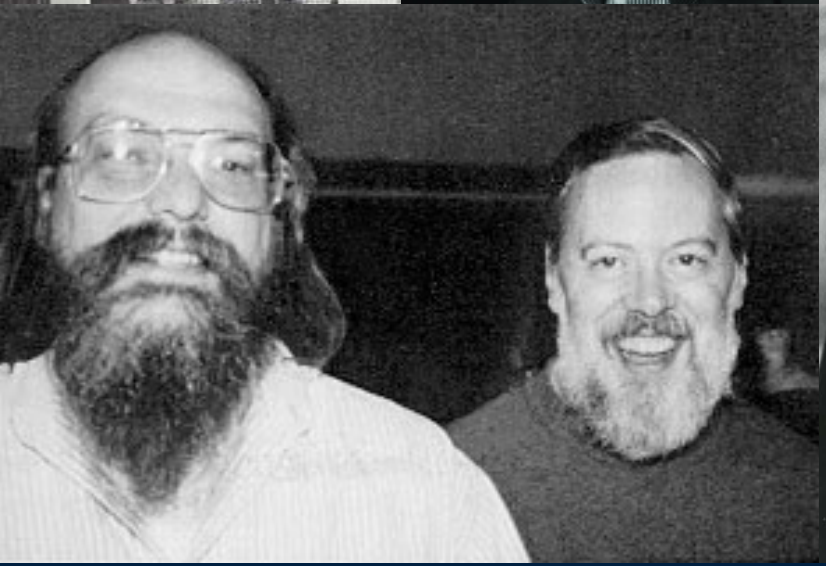

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Change Management

IT Committee/CAB

Documentation

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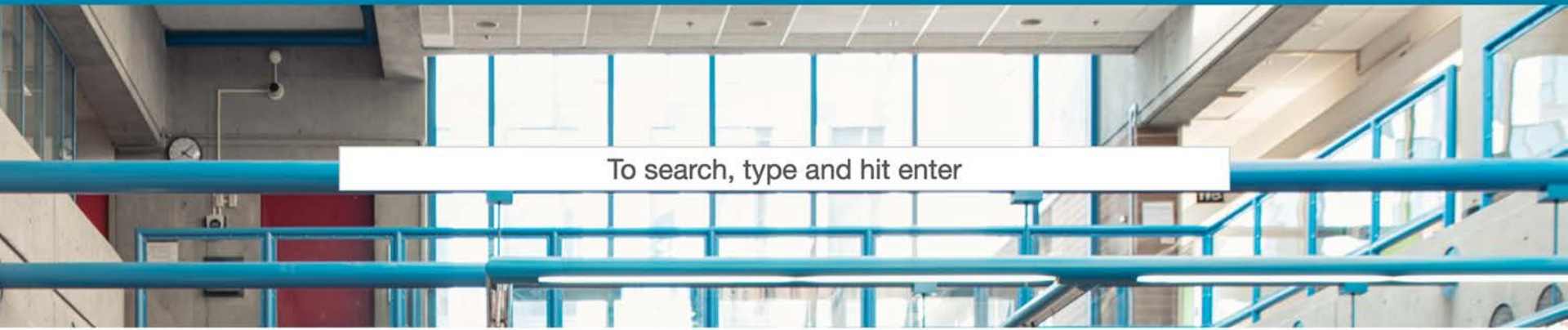
Faculty of Arts

PSYC (AIR)

Switch AIR sites | Logout

Facilities | Forms | Resources | Services | Minutes | Graduate Program | Data Tables



:: Matthew Smith > Home

Department Updates

Psychology FASmail User Account Upgrade

April 26, 2019

Enhanced CWL – Multi-factor Authentication

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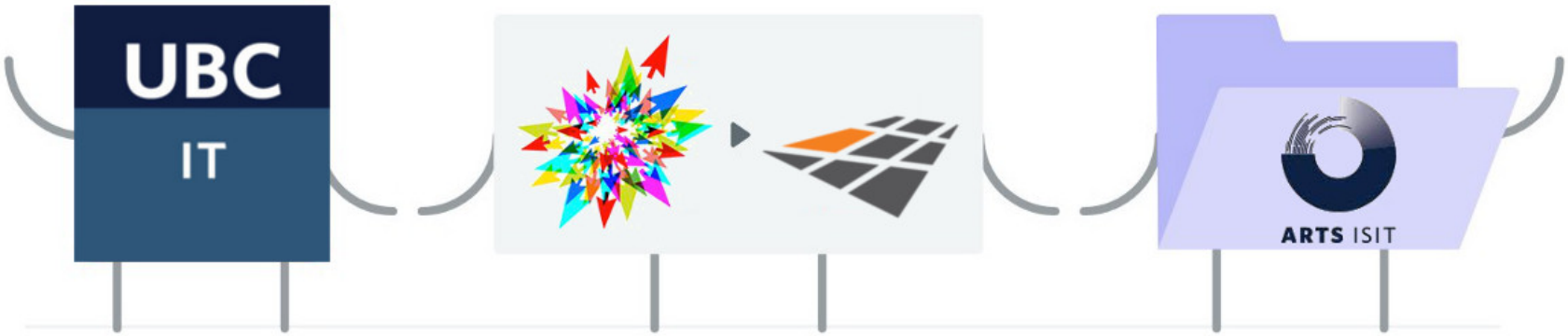
Focus, Collaborate and Outsource



Central Ticketing System

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General Research Computing (GRC) Support

MANDATE RESEARCH SUPPORT

- Involve research-minded technologists in lab operations

- Support researchers when they need it

- Protect grant funding

- Offer sustainable solutions

Special thanks to:

- Tara Martin and Geoff Hall; UBC Psychology
- The Psychology IT Team: Linda Zhu and our student helpdesk staff
- MSL IT
- The UBC IT Community

THANK YOU

Questions?

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