Resources

Week 1: Introduction, Logistics, Setup

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Introduction

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Resources

- **E-mail: REDACTED**
- Interests:
  - 1 Machine Learning
  - 2 Human-Computer Interaction
  - 3 Philosophy
  - 4 Anthropology





York University, Lassonde School of Engineering

### Logistics

#### ■ Lab Sections:

- **1** Tuesdays, 5:30p.m. 7:30 p.m. @ LAS1002B
- 2 Fridays, 3:30p.m. 5:30 p.m. @ LAS1002

#### Lab Activities:

- 1 Demos (Grading)
- **2** Live Programming Tutorials
- 3 General Question & Answering
- 4 Lecture Recaps

### ■ Lab Grading:

Based on correctness and good programming practices (i.e., Documentation)





# Preferences & Fine-Tuning

#### Remark

Have a burning question? Want me to host the lab session differently? Feel free to make suggestions or content contributions via e-mail!

We are finished covering logistics! Lets get started now:)





LE/EECS 4443: Mobile User Interfaces (LAB)

# Installing Android Studio

- Install Android Studio on your local machine and make sure to install the Emulator.
  - You may watch the Tutorial Video by Professor Castelluci if you want. Do note that your GUI may look different due to updates!
- 2 Start looking at the Android API and build some fun apps!





## Preparing to Demo Your Lab

To demo your lab, you will have to deploy your application through:

Android Emulator

LE/EECS 4443: Mobile User Interfaces (LAB)

2 Physical Hardware Device

Resources to set these up will be provided shortly!!





Introduction

- TA Slides, Demos, and the Troubleshooting Document can be accessed here: https://github.com/stoyonaga/ EECS4443\_W24\_Assets/tree/main.
- Professor Fokaefs EECS4443 Program Files can be accessed here: https://github.com/yorku-ease/EECS4443-Demos





Resources

### Lab Demo: Android Emulator

- Installation Guide
- 2 **Note:** Your device must support Virtualization, which must be enabled through BIOS.





Introduction

# Optimal Android Emulator Settings

- **II** Android Studio: Device Manager  $\rightarrow$  Edit  $\rightarrow$  Show Advanced Settings → Boot Options: Cold boot
- **2 Emulated OS:** Settings  $\rightarrow$  System  $\rightarrow$  Developer Options  $\rightarrow$ Disable Window Animation Scale, Transition Animation Scale, Animator Duration Scale





Introduction

### Lab Demo: Android Device

- 1 Enable **Developer Options** on your phone
- Enable USB Debugging
- Select your Phone in the Android Device Manager and Build/Run the program.





Resources

- Caleb Curry's 4 Hour Introduction to Android Studio
- 2 Android Programming: The Big Nerd Ranch Guide (3rd Edition)
- Android Studio: Keyboard Shortcuts (i.e., AutoComplete)
- **Debugging Documentation**
- 5 LogCat
- 6 Android Lint

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Thank You For Your Time!!

Questions?



Conclusion

