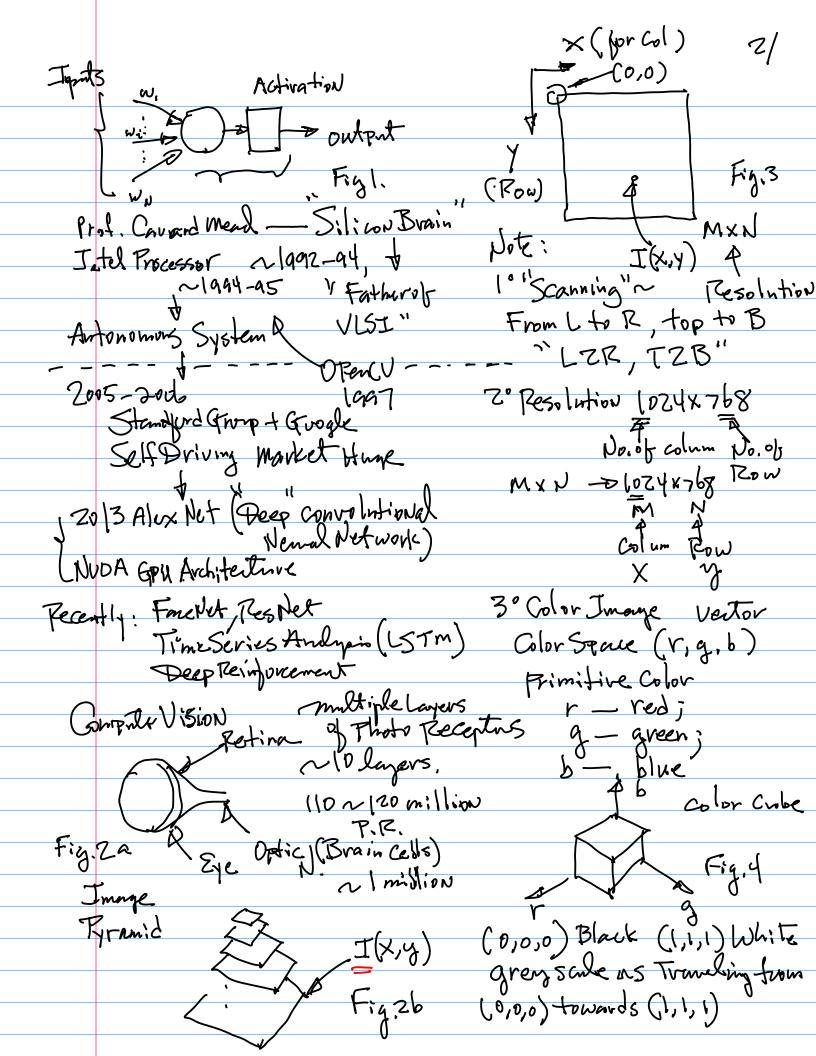
(a) Face Net Res Net Learning DE Jan 28,202] Welcome to CMPE258 1 Ation - Polin - Reward First Day of the Class HARRY LI, github/hnalihilopency/deep-Leaving-2020S 20-20215 Emil: hnali@sjisn.edu Wark to be done: Office Hours M.W. 4:30_5:30 Pm. 1. Trayramma Code Development Zvom Based Programming. Rython Of Homework - 1. Trogramming. Python of Homework Sample on yithinb (OpenCV, T.F. (Tensor Flow) Kevas API Latex

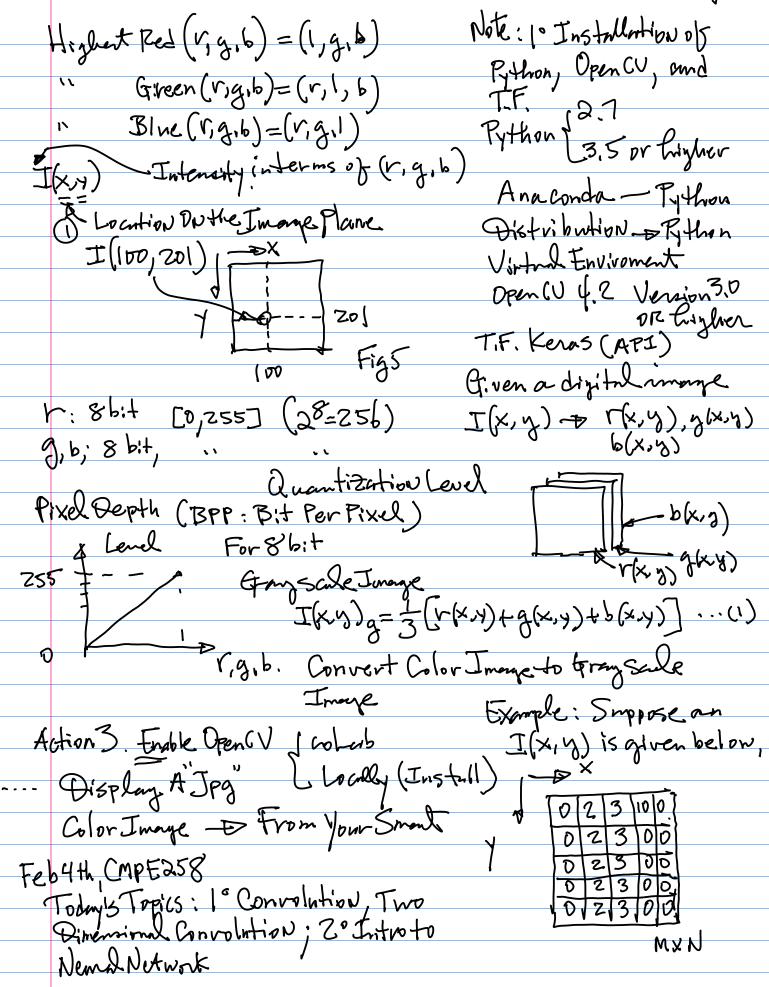
3. Homework Sulmissiph google colab of Submission (Including Action (: Installation of Open CV. Semester Long team Project) Version 4,7 Note: Use/Adopt Linux Uhantu
Virtual Box
2nd O.S. U.B. (Free)
Native O.S. Action 7: Form 4- Terson Team By Febl4 week; work has to Indiridant Encourage team
Discussion. (Mid: 30%
Grading To lidy: Homenbork: 30%
Final: 40% Nate: Python 3. Python Virtuel & Introduction Environent

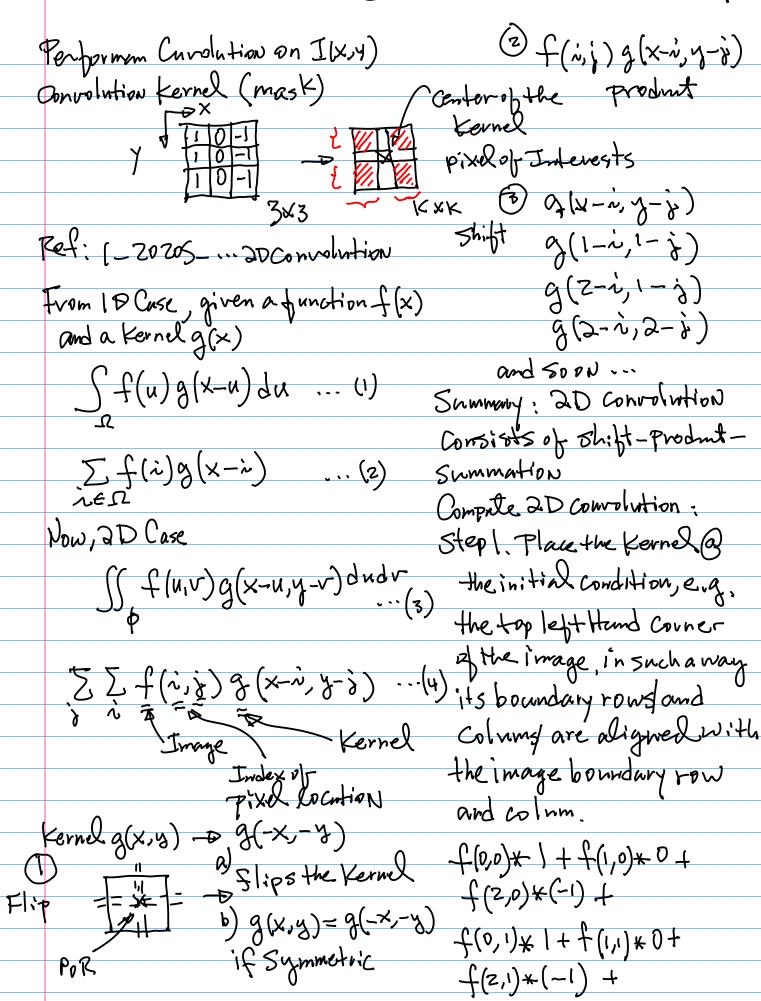
Biological System

Manny Avens = Recognition M NIST Deep NN Neurons (Celk)

Subjects = Celk







Note follow the example in Class.

Col I(X,y)
POI.

Consider Nemal Networks.

Supervised learning

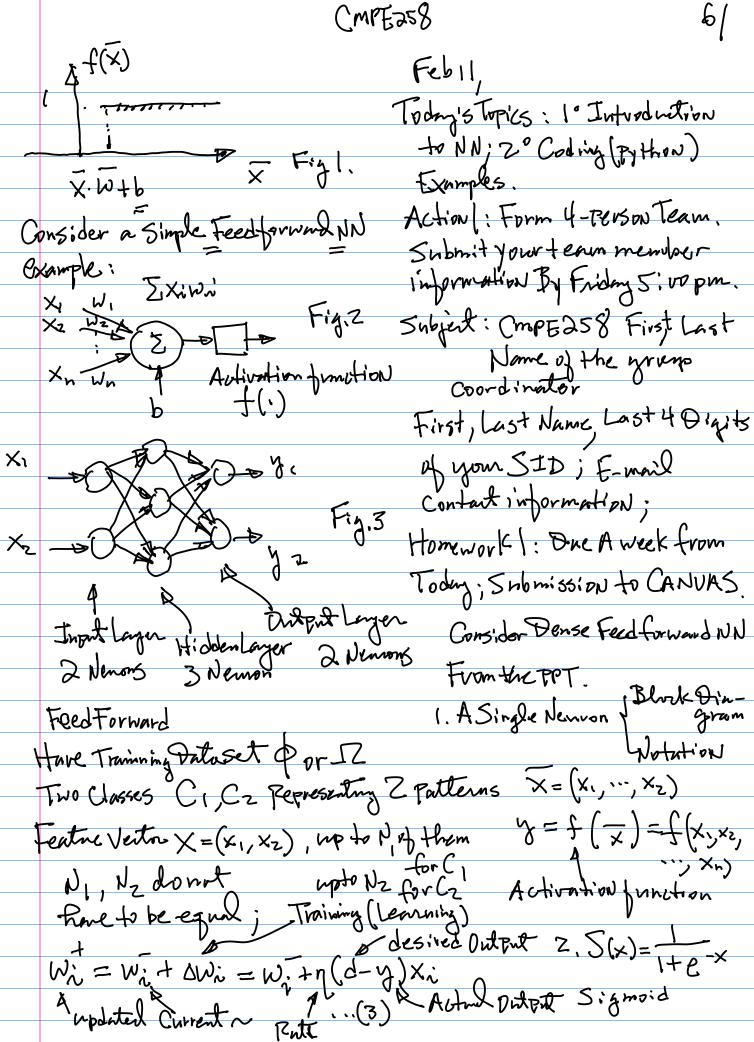
Reference: 70-20215-2

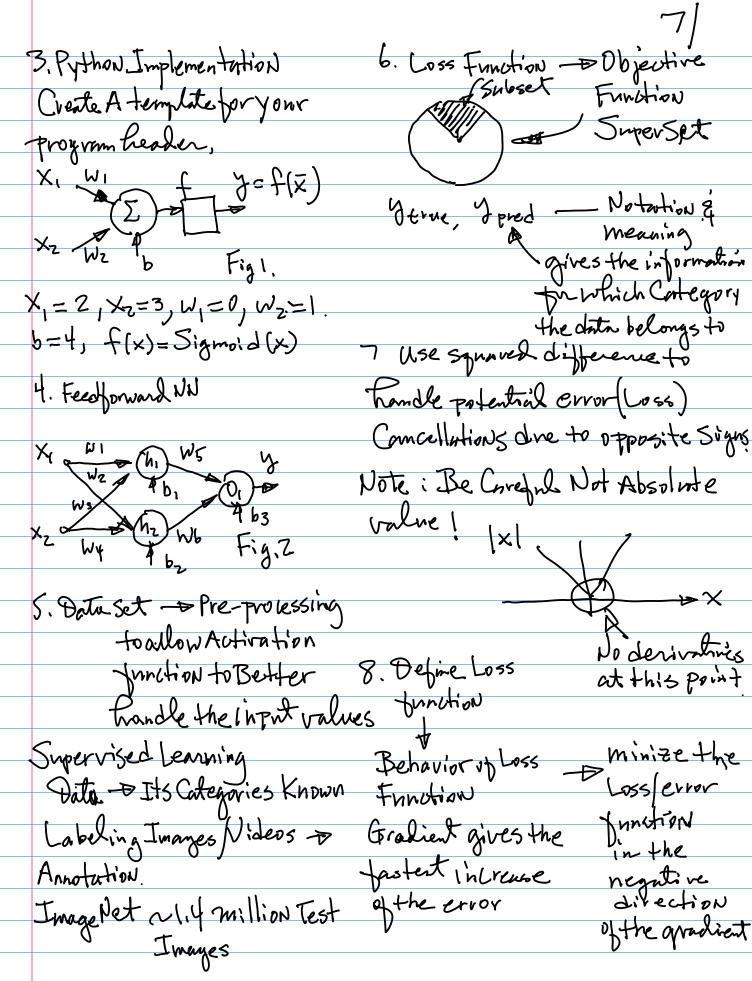
Example: x Tight (X1, Xe, VI, Xn) — Weights (W1, Wz, VI, Wn) $X \cdot \omega = (X_{\cdot, X_{z, \cdot \cdot \cdot, X_{u}}}, x_{u})$ (W1,Wz, ..., Wn)

= X1W1+X2W2+...+XiW1+...+ - \(\frac{7}{2} \) \(\text{XiWi} \) \(\text{YiW} \)

Define Transfer function $f(\cdot)$ as

follows $f(\overline{x}) = \begin{cases} 1 & \text{in } x \neq 0 \\ 0 & \text{otherwise} \end{cases}$ $f(\overline{x}) = \begin{cases} 1 & \text{in } x \neq 0 \\ 0 & \text{otherwise} \end{cases}$ $f(\overline{x}) = \begin{cases} 1 & \text{in } x \neq 0 \\ 0 & \text{otherwise} \end{cases}$





9 Denote the Loss as

B

Denote the Loss as

$$(W,b) = \sum_{i} (y_{true} - y_{true})^{2} \cdots (z)$$

$$A = (b_{1}, b_{2}, ..., b_{m})$$

$$W = (W_{1}, W_{2}, ..., W_{n})$$

$$M = A$$