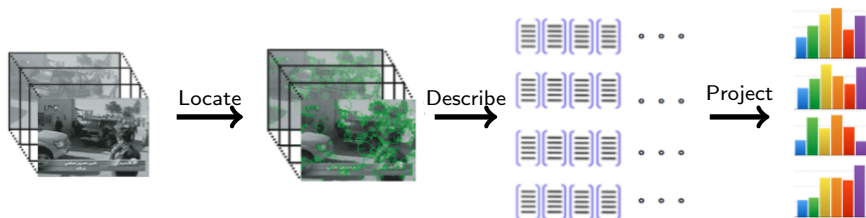


- **Nanyang Technological University** Singapore
B.Eng (Hons) in Computer Engineering Sep 2010 - May 2014
 - Current GPA **4.67** on a scale of 5.0, on track of **First Class Honours** degree
 - Awarded the MOE-GLC PRC Undergraduate **Scholarship** provided by MOE
 - Invited to join the **ELITE+** program by Infocomm Development Authority
- Passionate in **Technology**
 - Final Year Project, Visual Event Recognition in Videos
 - Summer Research Intern at IBM Research Collaboratory
 - Face Recognition Project for Machine Learning Course
 - Android Application with Cloud Assisted

Visual Event Recognition

- Goal - recognize various videos based on their content



- M : number of sampled frames
- V : size of visual vocabulary

$$\begin{pmatrix} A_{11} & A_{12} & \cdots & A_{1(V-1)} & A_{1V} \\ A_{21} & A_{22} & \cdots & A_{2(V-1)} & A_{2V} \\ \vdots & \vdots & \vdots & \vdots & \vdots \\ A_{M1} & A_{M2} & \cdots & A_{M(V-1)} & A_{MV} \end{pmatrix}$$

Projects at IBM

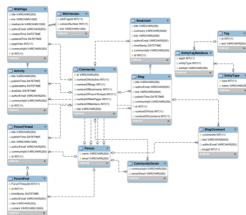
Singapore food analysis

- Tweets posted in Singapore for 2 years - 20 GB
- Most popular food
- Sentiment analysis on tweets
- Average meal time
- Most popular restaurants



IBM Connections

- Goal - Summarize communities on IBM Connections
- Designed a MySQL database



- Implemented 3 algorithms to perform summarization tasks

Example on Summarization

inaccessible to elected politicians. For all the rejoicing, though, the presence of an heir (Prince Charles) and two spares (Princes William and the newly hatched George Alexander Louis) puts a peculiar institution in a peculiar position.

Britain is comparatively good at giving opportunities to the young. In the City, fortunes can be made by 40. The prime minister is 46, the same age as his deputy. The leader of the opposition is three years younger. The monarchy is different. By September this year Prince Charles, aged 64, will have waited longer for promotion to the throne than any heir, ever. Prince William will surely be north of 50 before he gets a turn in ermine. Barring disease, accident or another ill-judged attempt to rule without Parliament resulting in public beheading, the royal baby may become king somewhere around 2070.

All this waiting around is tedious for the heir and perilous for the institution. Prince Charles has put up with insinuations that he is thick, pompous, heartless and over-subsidised for decades without many chances to defend himself. Even the arch-monarchist Daily Mail wrote a story recently about the courtier employed to carry his favourite cushion around in the tone the paper ordinarily reserves for asylum-seekers. The urge to be "doing, not dangling" is understandable, but the job of the heir to the throne is precisely to dangle, a predicament that is cubed in the case of an heir's heir's heir.

The queen never had to endure this public torment. Since the execution of Charles I in 1649 only two monarchs have come to the throne as young and reigned for as long as Elizabeth II: George III (aged 22) and Victoria (aged 18). Both were popular at home, despite the occasional difficulties the batty Hanoverian had with his American subjects. Elizabeth II has reigned for so long that she embodies the monarchy. That may help explain her popularity: according to opinion polls, there are only 15m convinced republicans in a kingdom of 63m.

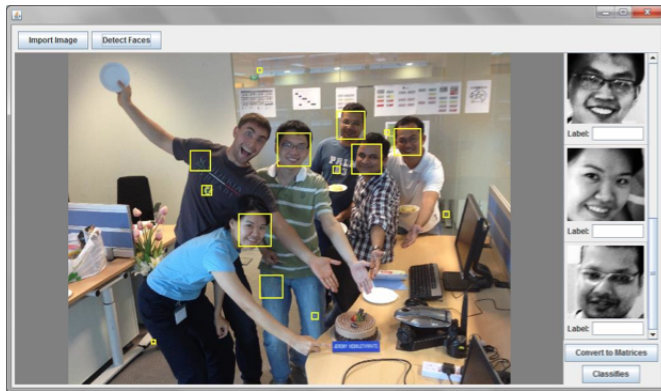
This is not guaranteed to last. Because the monarchy's achievements are so intangible, sentiment about it can turn quickly. Before her prince proposed, the tabloids currently printing souvenir editions filled with lovely pictures of the Duchess of Cambridge were calling Miss Middleton "wait, Katy" and wondering when she would get a proper job. And if hanging around for a few years to get married is risible, waiting five or six decades to run the family business from dotage to grave is even more so. Unless something changes, that looks to be the lot of the kings of Britain stretching into the next century.

As is often the case, the solution to Britain's royal problems lies in Europe. In the past, when Britain was short of royals, it used to import a continental prince. Now it has a surplus of them, it needs to import a continental practice. The Netherlands' Queen Beatrix (aged 75) and Belgium's King Albert (79) recently announced their abdications. Even Pope Benedict (85) quit. Britain's monarchs need a way to start doing the same.

- [1]: For all the rejoicing, though, the presence of an heir (Prince Charles) and two spares (Princes William and the newly hatched George Alexander Louis) puts a peculiar institution in a peculiar position.
- [2]: Britain is comparatively good at giving opportunities to the young.
- [3]: By September this year Prince Charles, aged 64, will have waited longer for promotion to the throne than any heir, ever.
- [4]: Barring disease, accident or another ill-judged attempt to rule without Parliament resulting in public beheading, the royal baby may become king somewhere around 2070.
- [5]: The urge to be "doing, not dangling" is understandable, but the job of the heir to the throne is precisely to dangle, a predicament that is cubed in the case of an heir's heir's heir.
- [6]: Since the execution of Charles I in 1649 only two monarchs have come to the throne as young and reigned for as long as Elizabeth II: George III (aged 22) and Victoria (aged 18).
- [7]: As is often the case, the solution to Britain's royal problems lies in Europe.

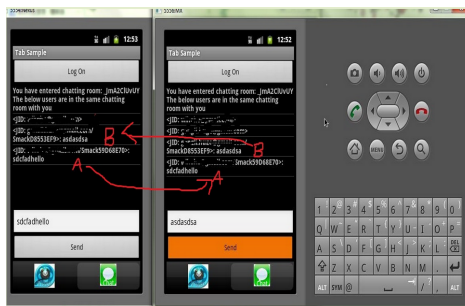
Face Recognition

- Developed a face recognition system in Java based on machine learning knowledge
- Implemented three different methods: Eigenfaces, Fishfaces and Laplacianfaces



Android Application with Cloud Assisted

- Developed an android mobile application with cloud assisted
- Adopted XMPP as the chatting protocol and Youtube as the content
- Awarded as NTU President **Research Scholar**



All personal projects are open sourced on Github
<https://github.com/wihoho>



wihoho

✉ wihoho@gmail.com

🌐 <http://wihoho.com>

🕒 Joined on Jun 18, 2012

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