University of BRISTOL

Welcome

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The Year

TB1

- courses
- project planning

TB2

- project
- project

Project

Event	Week
Introduce/welcome students to unit	0
Submit initial specification	6
Feedback initial specification	7
Submit final specification	12
Confirm project and supervisor	13
Feedback on final specification	13
Lecture on spring work	13
Poster session	March
Lecture on writing	before easter
Thesis submission	Mid-May
Thesis additional material	Mid-May
Oral presentation	?

How to come up with a project

What is a good project

- what do you think is fun?

What is a good project

- what do you think is fun?
- what do you want to learn?

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- what do you think is fun?
- what do you want to learn?
- Application or task that is interesting
- Theory that you want to understand
- *Don't promise too much*

Daniel von Witting

Firefly

Jar Jar

Star Wars

1977 A new Hope

1980 The Empire Strikes Back

1983 Return of the Jedi

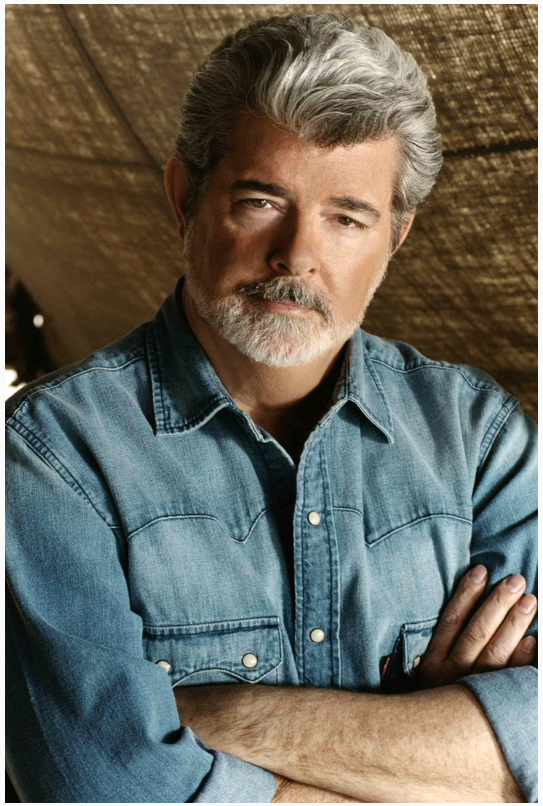
1999 The Phantom Menace

2002 Attack of the Clones

2005 Revenge of the Sith

2015 The Force Awakens

2017 The Last Jedi



Questions

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- can we emotionally label video segments?

Questions

- can we automatically remove Jar Jar from Star Wars
- how can we semantically classify video segments?
- can we emotionally label video segments?
- is visual or audio cues more important?

Work

- Video representation - Computer Vision
- Classifiers - Machine Learning
- Video decoder with labeling framework - Software development

Project

Your project can really be about anything, as long as you have a goal, a question, and a way to verify what you have achieved then anything is possible to make a project out of.

Supervisor

Supervisors

- *A supervisor is a person who supervises activities or people, especially workers or students.*[1]

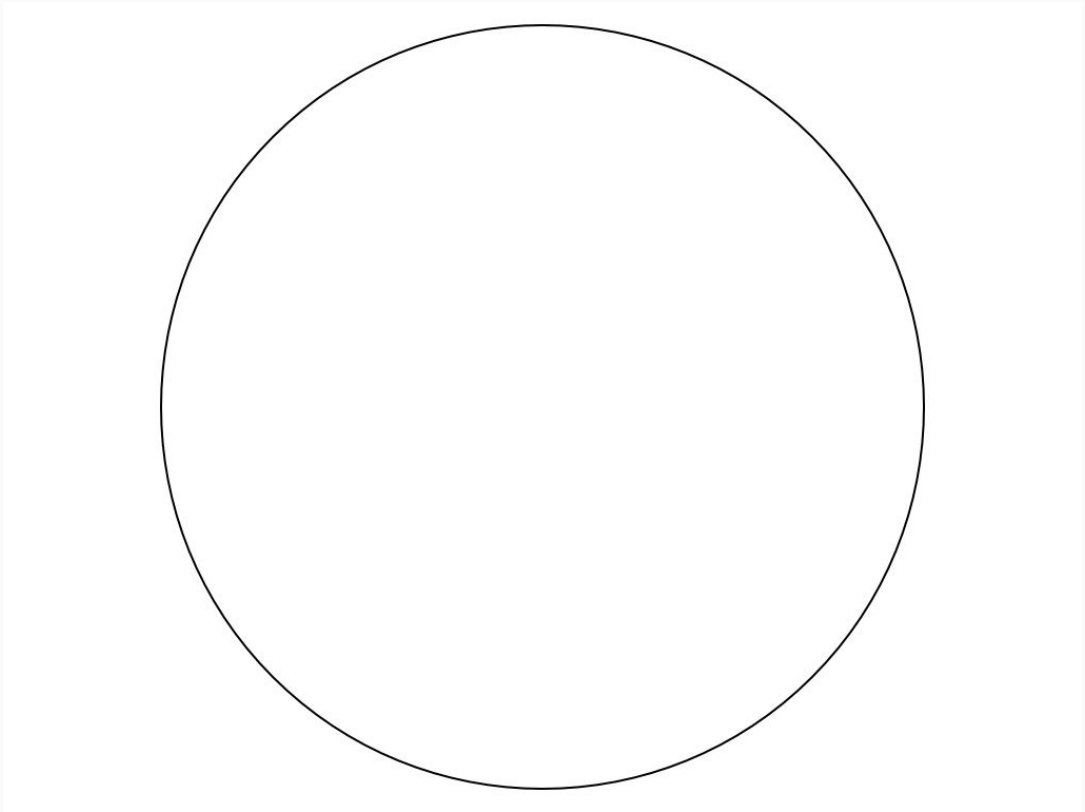
[1] Collins Dictionary

Supervisors

- *A supervisor is a person who supervises activities or people, especially workers or students.*[1]
- *If you supervise an activity or a person, you make sure that the activity is done correctly or that the person is doing a task or behaving correctly.*[1]

[1] `Collins Dictionary`

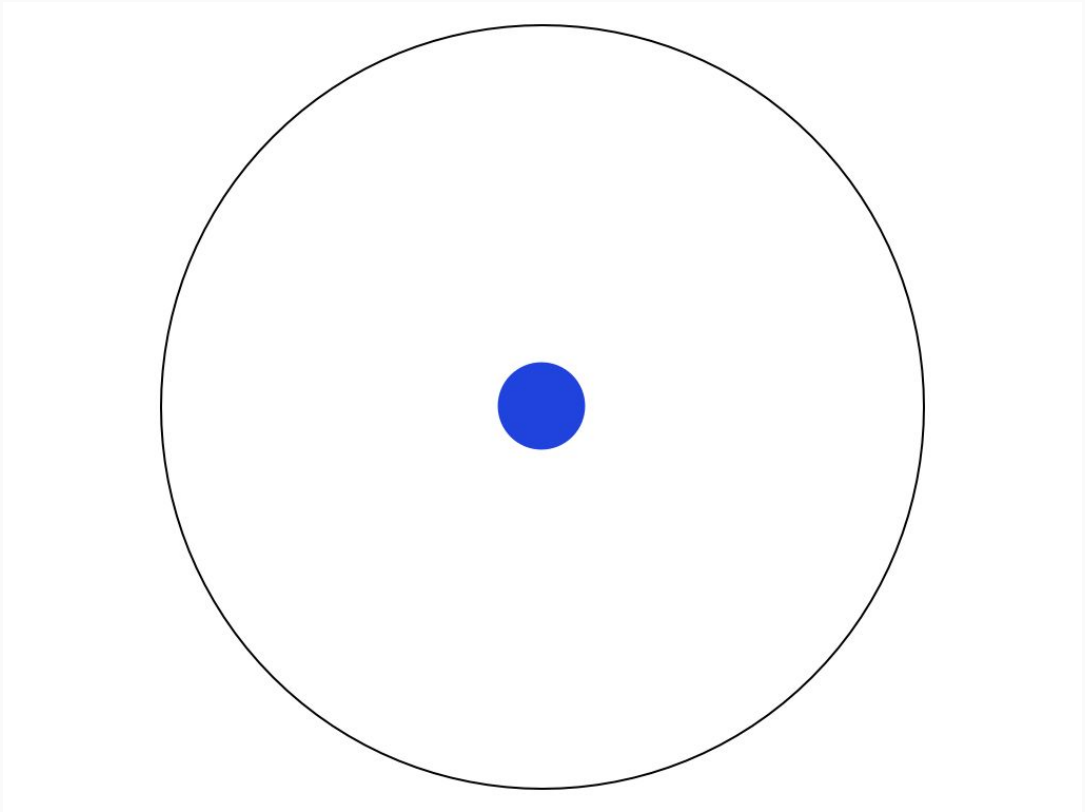
Seeking knowledge[2]



"Imagine a circle that contains all of human knowledge"

[2] The Illustrated Guide to PhD

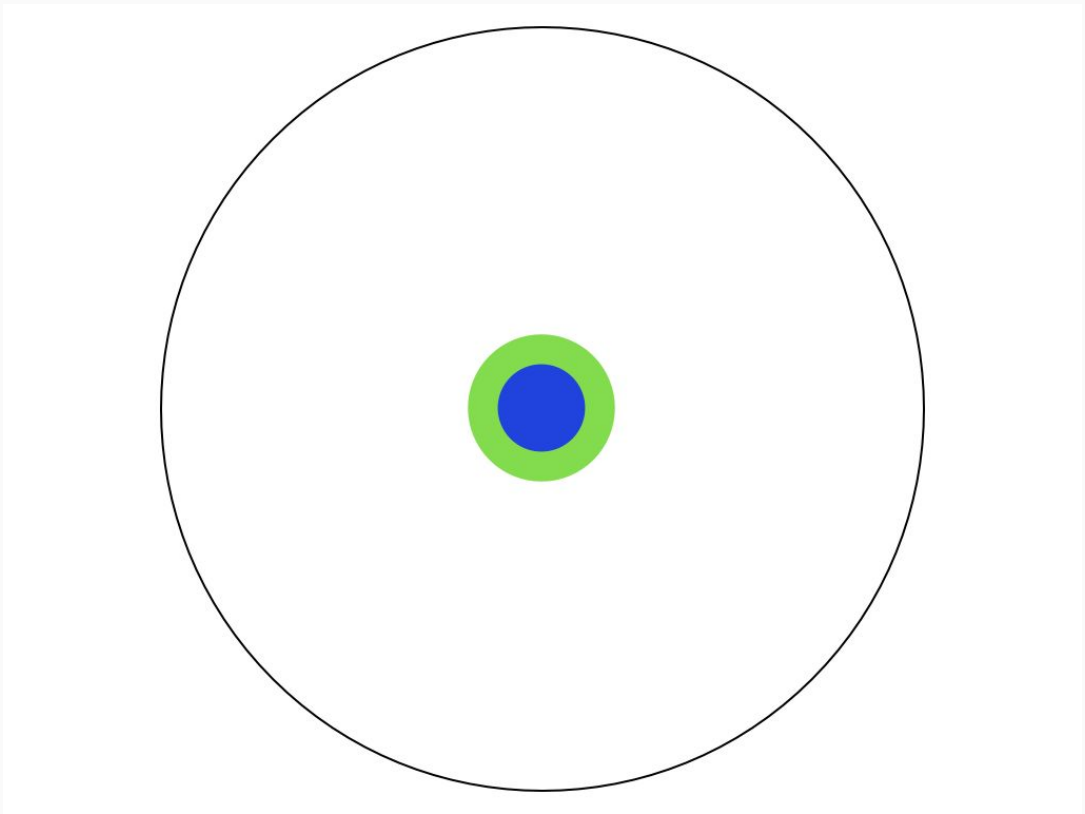
Seeking knowledge[2]



"By the time you finish elementary school, you know a little"

[2] The Illustrated Guide to PhD

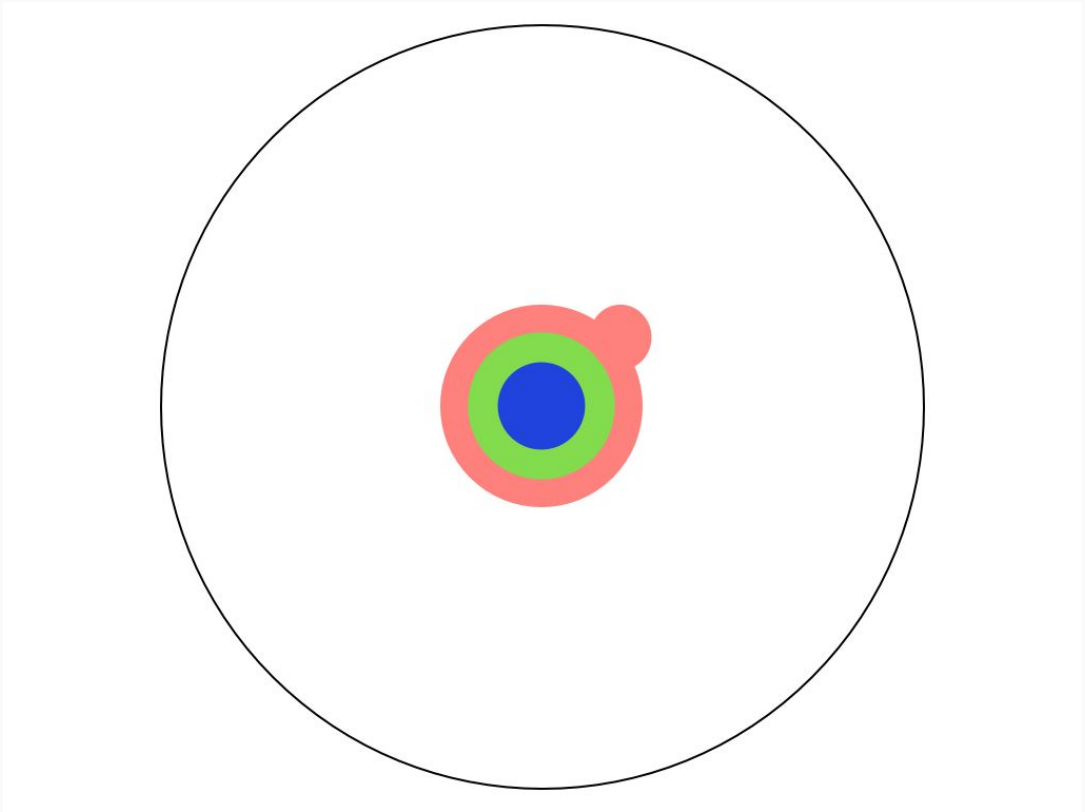
Seeking knowledge[2]



"By the time you finish high school, you know a bit more"

[2] The Illustrated Guide to PhD

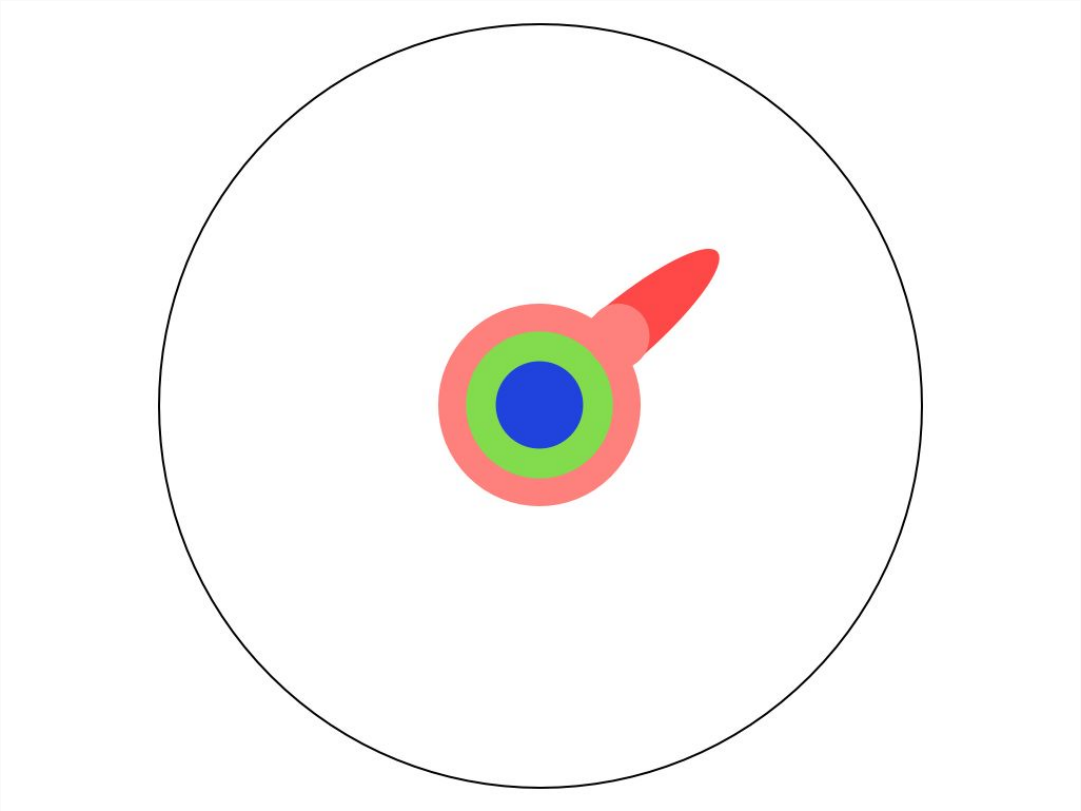
Seeking knowledge[2]



"With a bachelor's degree, you gain a specialty"

[2] The Illustrated Guide to PhD

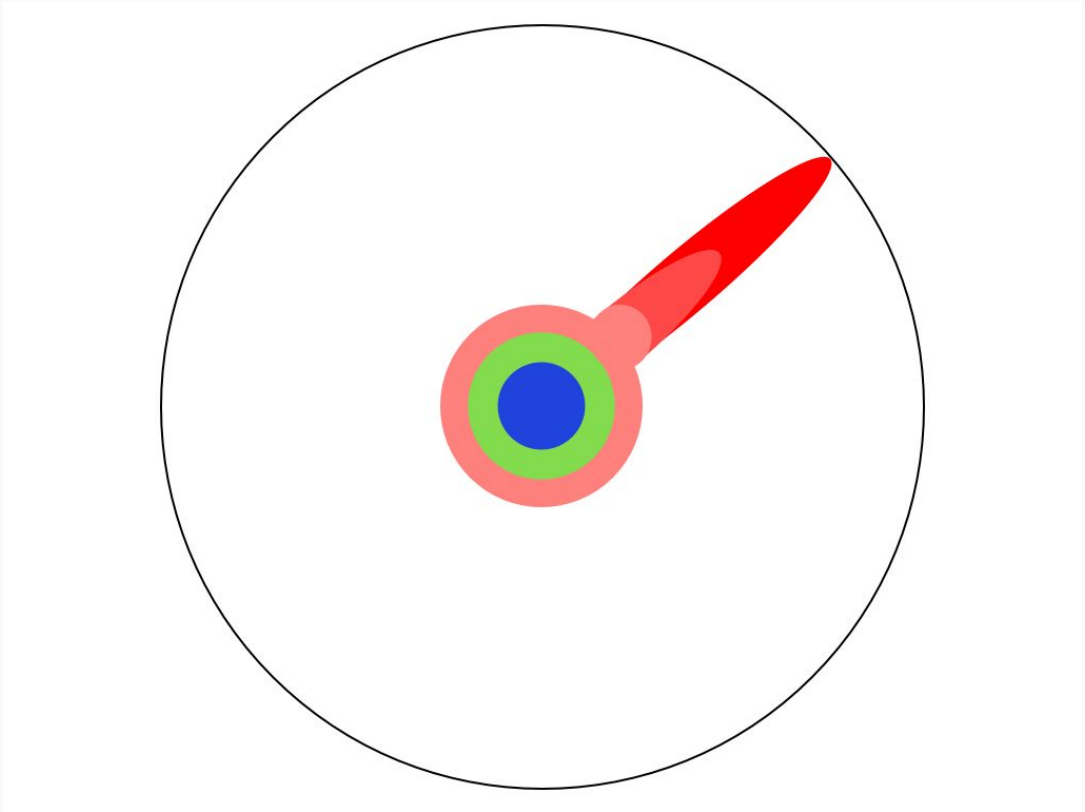
Seeking knowledge[2]



"A master's degree deepens that specialty"

[2] The Illustrated Guide to PhD

Seeking knowledge[2]



"Research papers takes you to the edge of human knowledge"

[2] The Illustrated Guide to PhD

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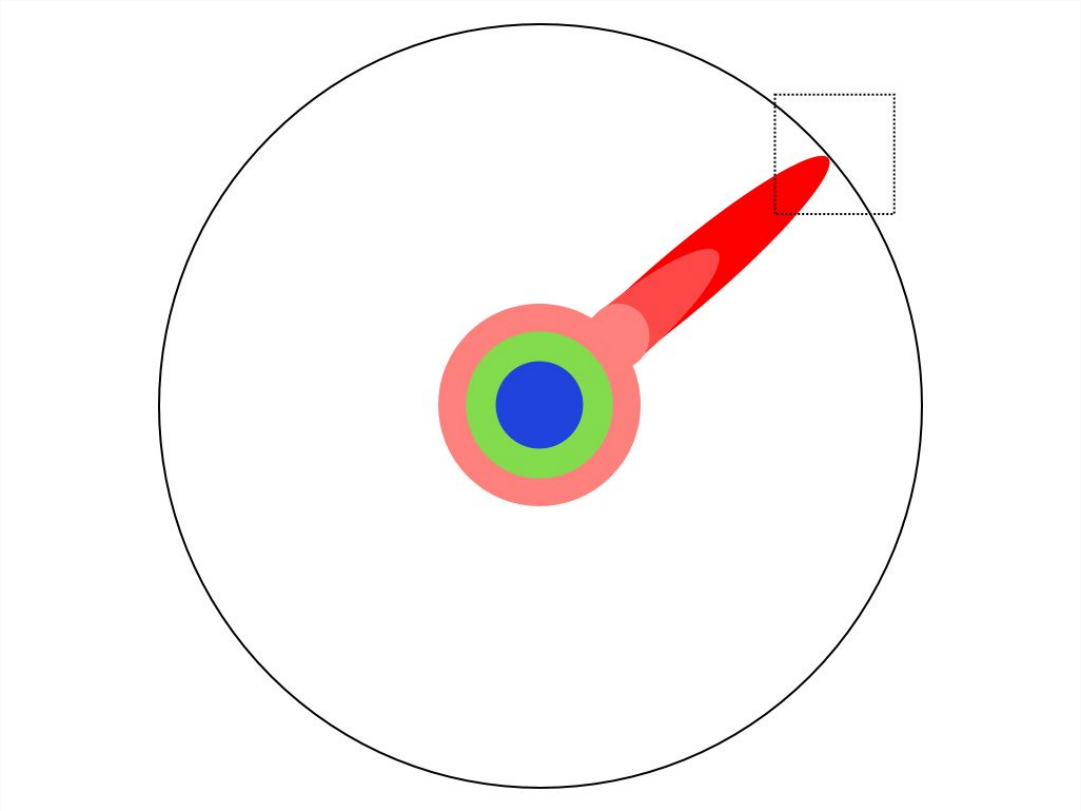
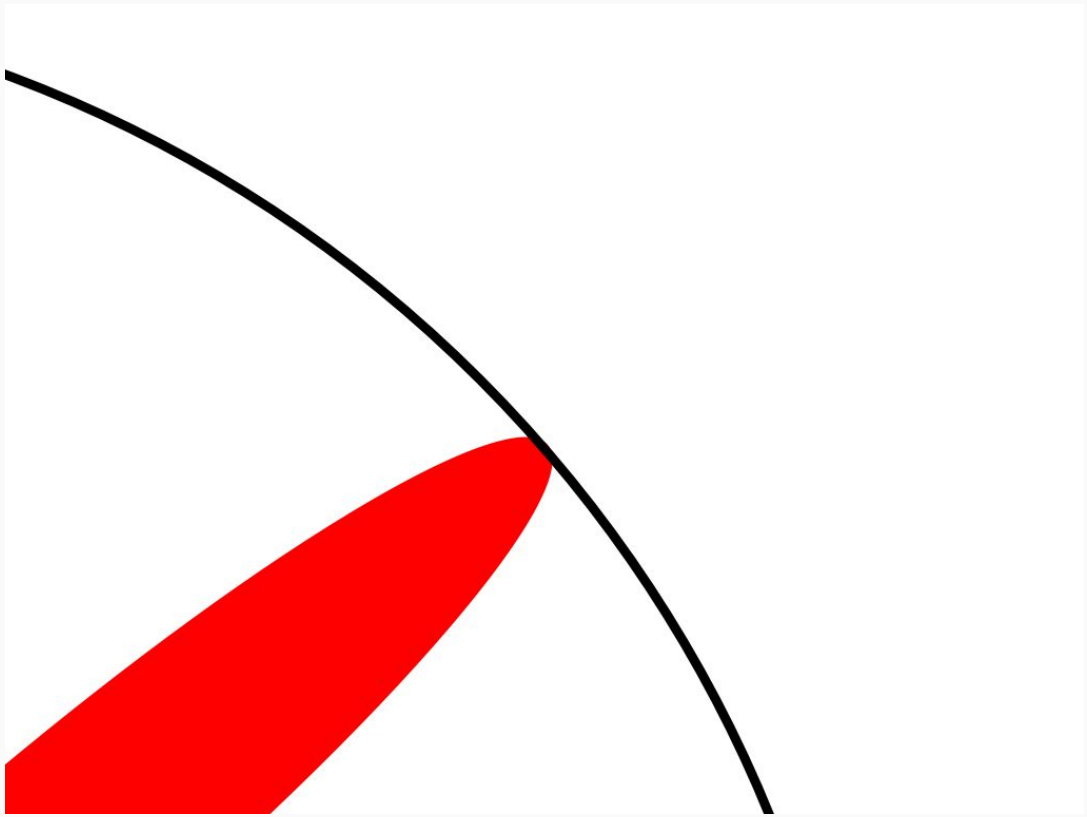


"Once you're at the boundary, you focus"

[2] The Illustrated Guide to PhD

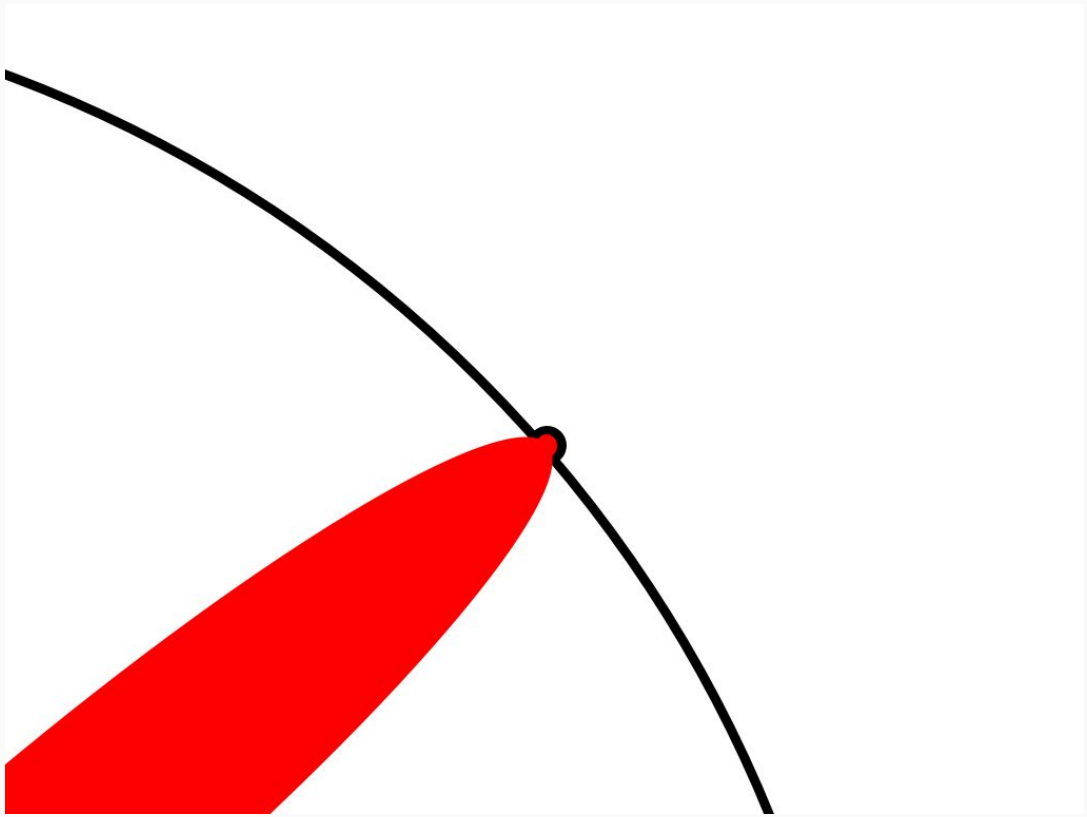
Seeking knowledge[2]



"You push at the boundary for a few years"

[2] The Illustrated Guide to PhD

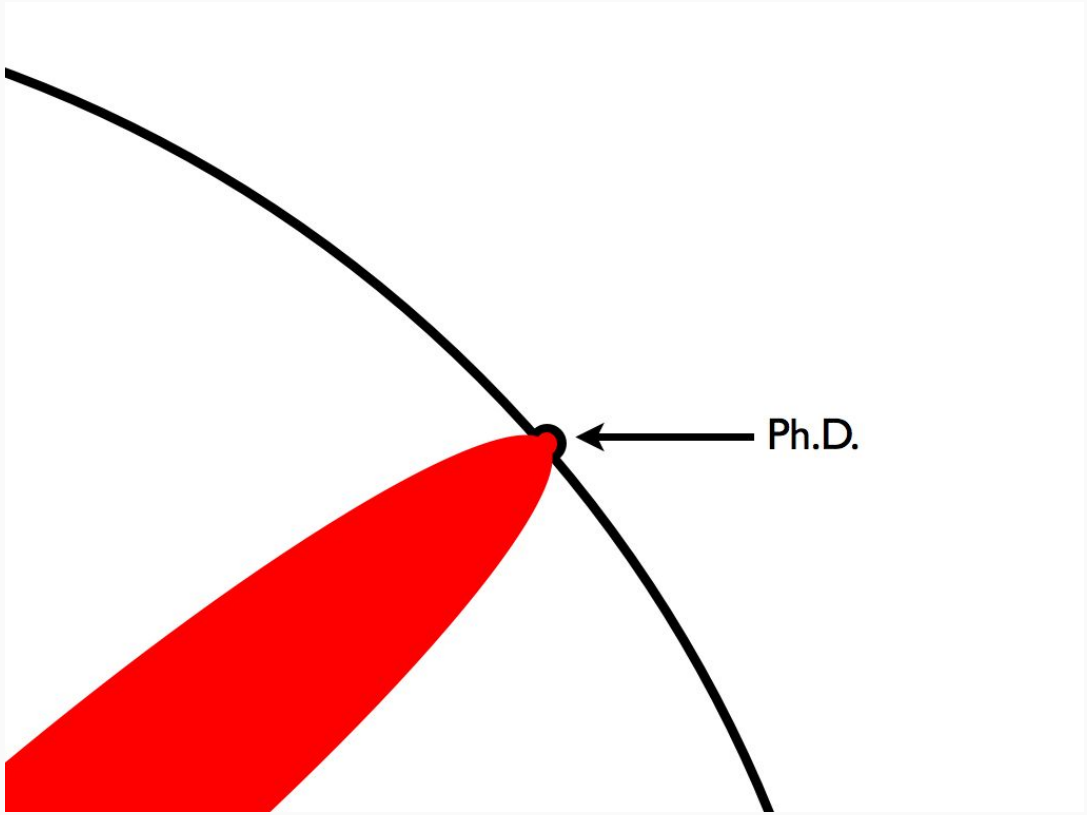
Seeking knowledge[2]



"Until one day, the boundary gives way"

[2] The Illustrated Guide to PhD

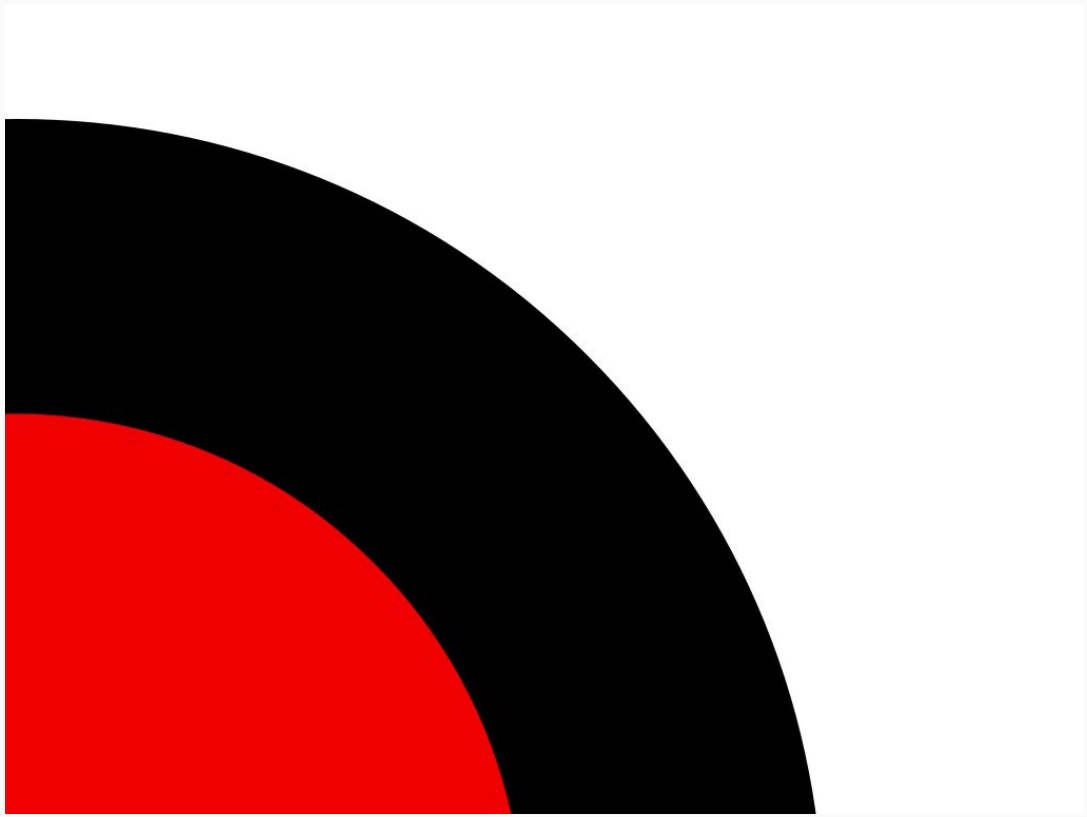
Seeking knowledge[2]



"And, that dent you've made is called a Ph.D."

[2] The Illustrated Guide to PhD

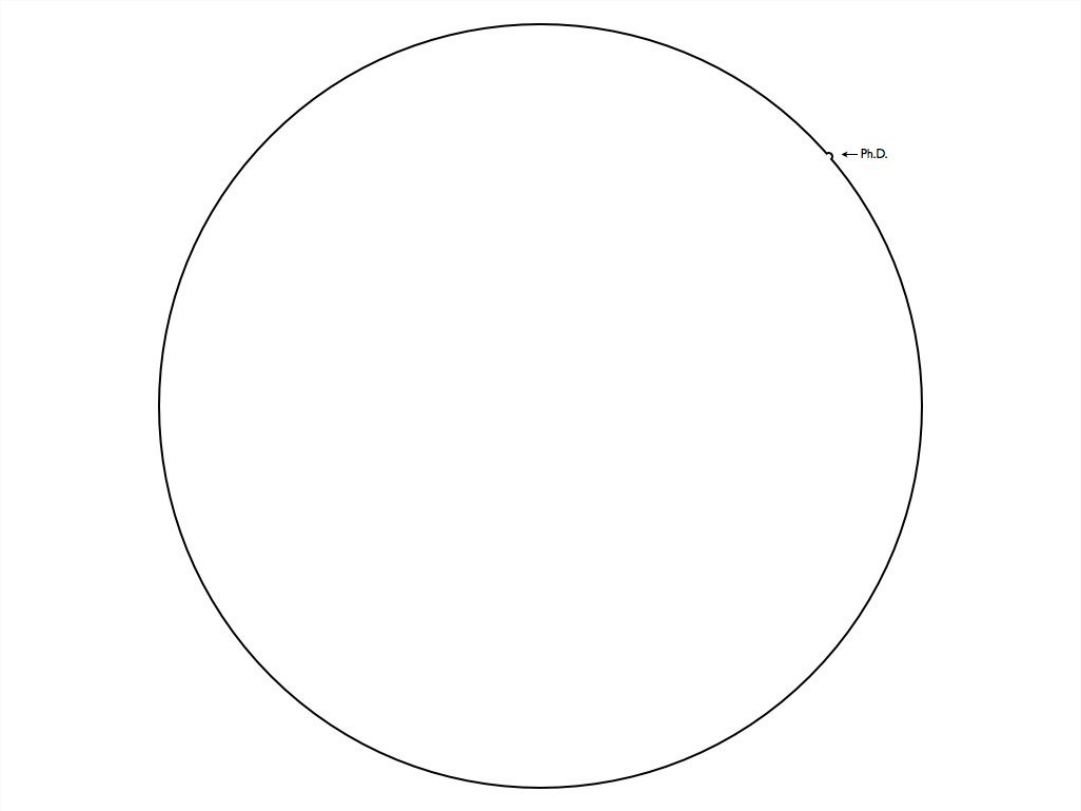
Seeking knowledge[2]



"Of course, the world looks different to you now"

[2] The Illustrated Guide to PhD

Seeking knowledge[2]



"So, don't forget the bigger picture, keep pushing!!!"

[2] The Illustrated Guide to PhD

What can I expect from my supervisor

- Regular meetings
- General research/project advice
- Being a soundingboard for ideas
- Structure

Here now

- John Cartlidge – AI/Finance/Trading Agents/Ev Comp
- Sion Hannuna – Machine Vision
- Song Liu – Machine Learning
- Simon Lock – Software Development/Creative Tech
- Miranda Mowbray – AI/Cybersecurity
- Aisling O'Kane – HCI/Personalised Health Technologies
- Iván Palomares Carrascosa – Agents/AI/Data Science
- Bahar Rastegari – Computational Game Theory

Here in TB2

- Ruzanna Chitchyan – Software Eng, Sustainability
- Paul Marshall – HCI/Interaction Design/Wellbeing
- Steven Ramsay – Programming Languages/Semantics/Logics
- Awais Rashid – Cybersecurity/Cyber-Physical Systems/IoT
- Meng Wang – Programming Languages/Functional Languages
- *more to be announced shortly*

Summary

Summary

- start thinking about the project now
- discuss amongst yourself and with academic staff
- this is a real oppurtunity to do something fun
- a good project is one where you learn the most

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