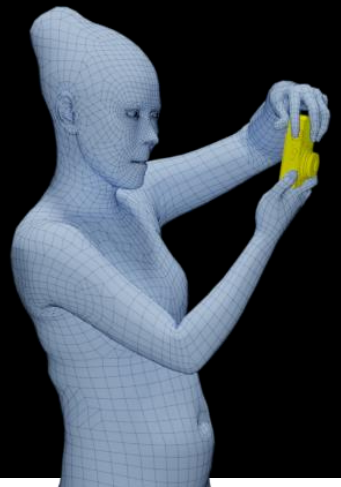
CV

Introduction to Computer Vision

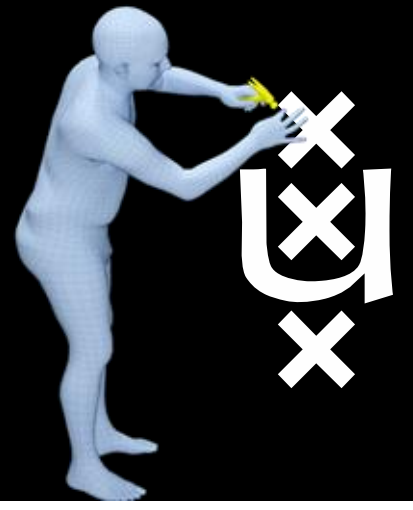
Welcome & Intro

2026



Dimitris Tzionas

d.tzionas@uva.nl, and always CC: e.a.veltmeijer@uva.nl

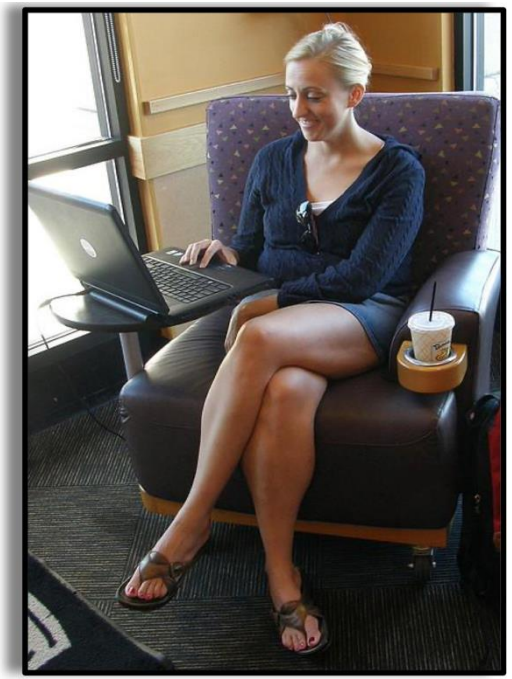


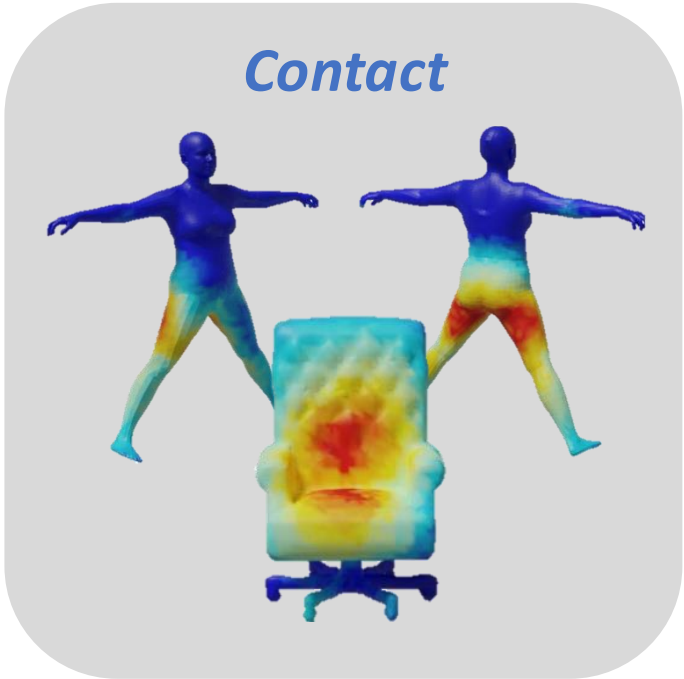
Personal Intro: Research Team

∈

Aka: Computer Vision

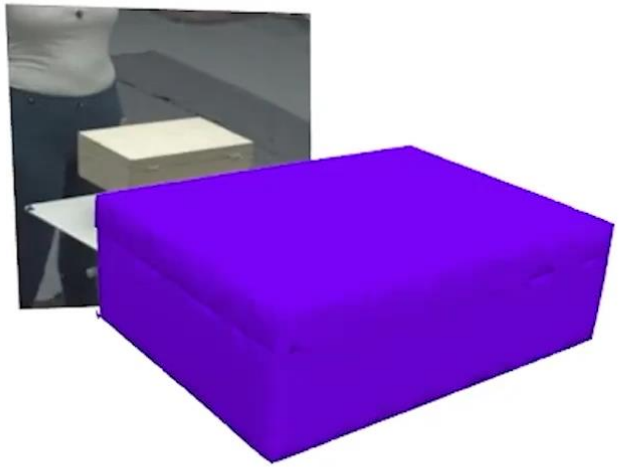
Personal Intro: 3D Human Perception

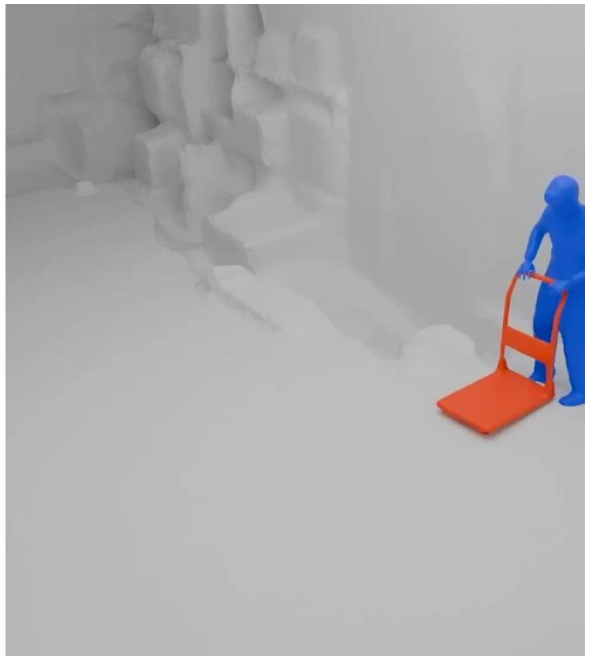




InteractVLM: *3D Interaction Reasoning from 2D Foundational Models*, **CVPR 2025**
LEXIS: *LatEnt proXimal Interaction Signatures for 3D HOI from an Image*, **WIP**

Personal Intro: 3D Human Perception





ARCTIC: *A Dataset for Dexterous Bimanual Hand-Object Manipulation*, **CVPR 2023**
TEMPUS: *Optimization-based Reconstruction […] Dexterous Human-Object Interactions*, **WIP**
RHINO: *Reconstructing Human Interactions with Novel Objects from Monocular Videos*, **WIP**

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Google
NVIDIA
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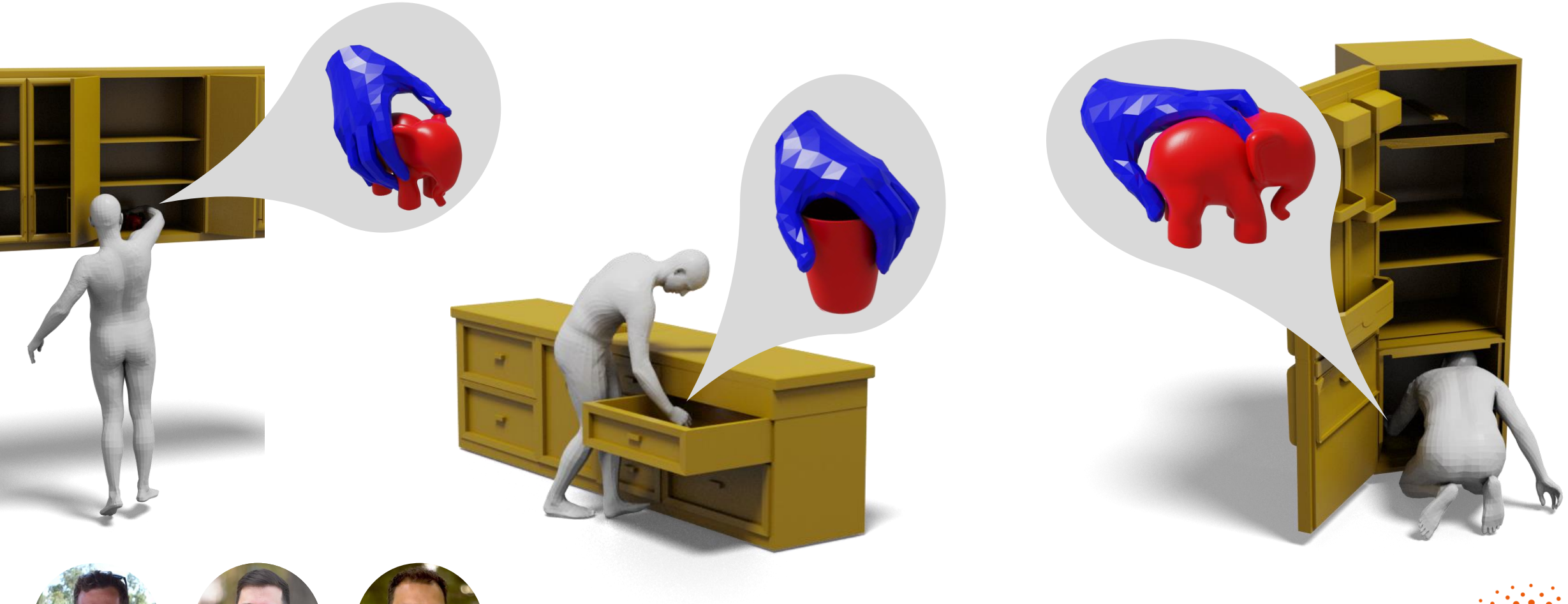
Personal Intro: 3D Human Synthesis





CWGrasp: *3D Whole-body Grasp Synthesis with Directional Controllability*, **3DV 2025**

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CV - People

Tutor / Coordinator

Dimitris Tzionas — http://dtzionas.com

Docent-4

→ Also: 'trusted person'

Group A → Emmeke Veltmeijer — e.a.veltmeijer@uva.nl

TAs

Group B →	Thijn van Veen	t.l.j.vanveen@uva.nl
Group C →	Lisa Douwes	l.h.douwes2@uva.nl
Group D →	Casper Smeets	c.f.smeets@uva.nl
Group E →	Yorben Koolhaas	y.koolhaas@uva.nl
Group F →	Jesse van Bakel	j.c.j.vanbakel@uva.nl
Group G →	Peter Adema	p.j.adema@uva.nl
Group H →	Maas Hermes	m.c.hermes@uva.nl

Your TA is your *first point of contact*

Build a *good relationship* with them

Default setting

[20 people] + [1 TA]

Later maybe

[2x teams] + [2 TAs]

https://datanose.nl/#course[138228]/students

CV - People

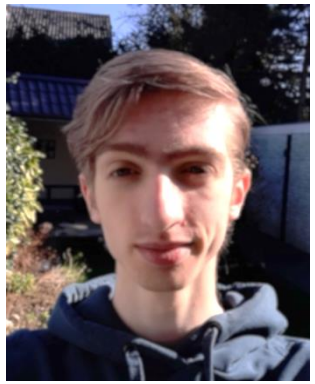
Dimitris Tzionas
Lecturer

Emmeke Veltmeijer
D4, Group A

Thijn van Veen
Group B

Lisa Douwes
Group C

Casper Smeets
Group D

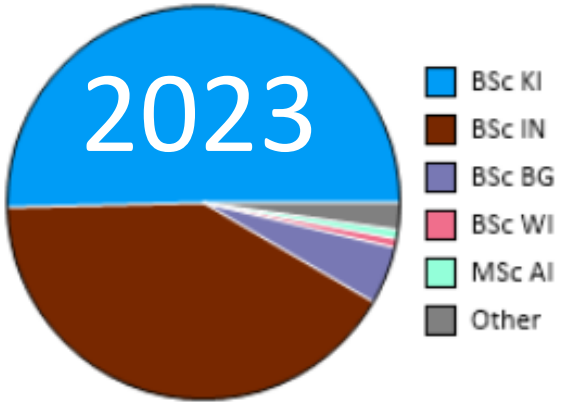


Yorben Koolhaas
Group E

Jesse van Bakel
Group F

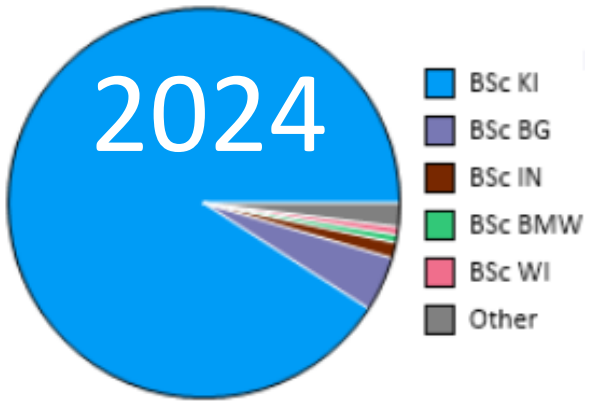
Peter Adema
Group G

CV - Statistics



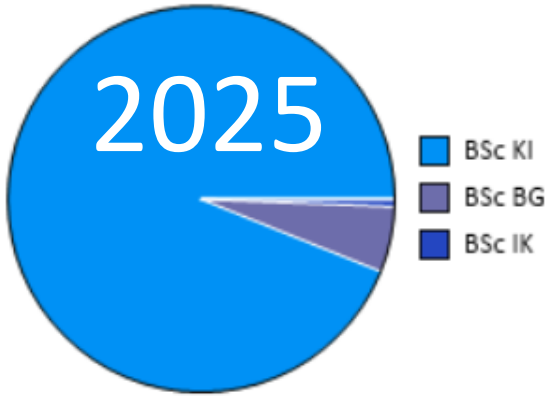
First attempt: 59% (154)

263 Students
2 Tutors
2 D4s
10 TAs



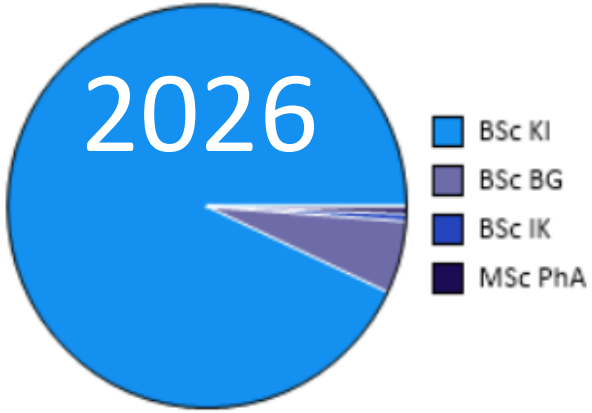
First attempt: 79% (117)

149 Students
1 Tutor
2 D4s
7 TAs



First attempt: 79% (128)

163 Students
1 Tutor
1 D4
6 TAs



170 Students
1 Tutor
1 D4
7 TAs

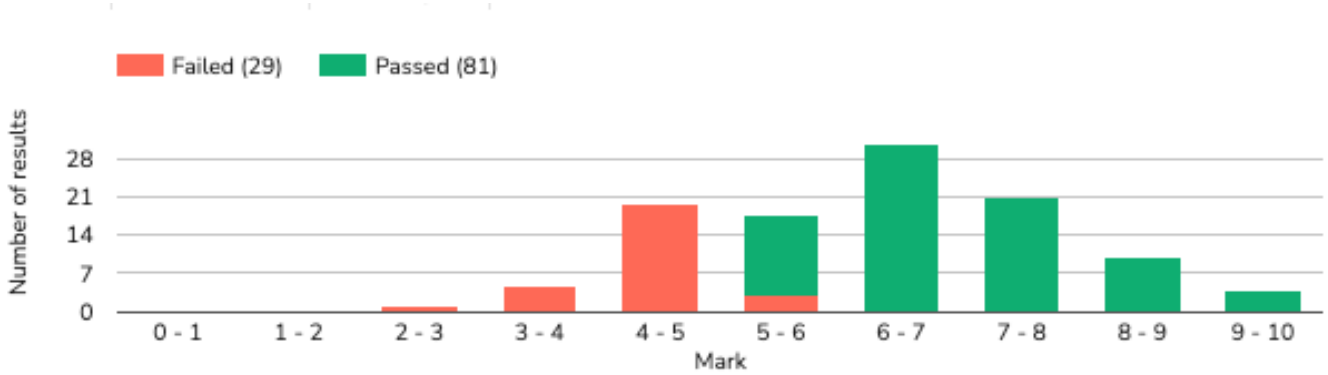
CV – Statistics (2025)

Tentamen:

Metrics

110 Results

73.64 % Pass rate

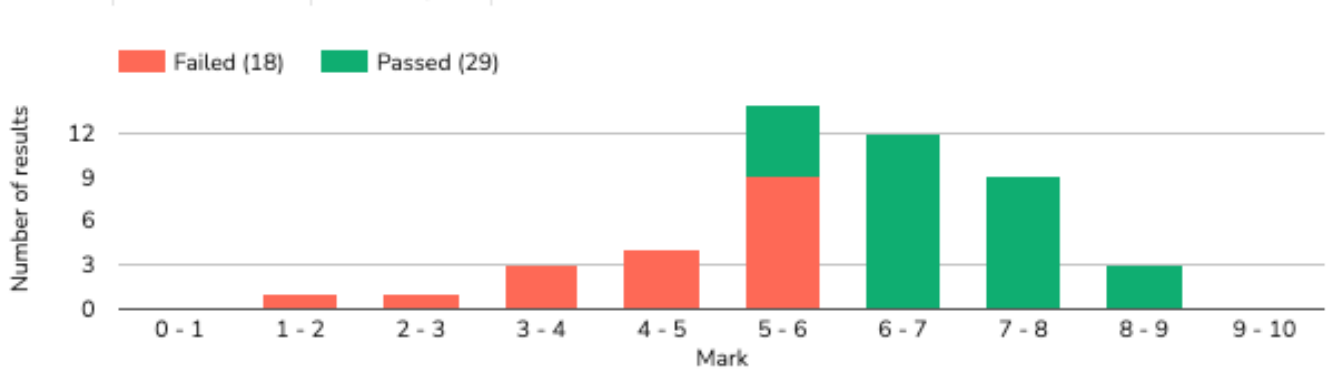


Hertentamen:

Metrics

47 Results

61.7 % Pass rate



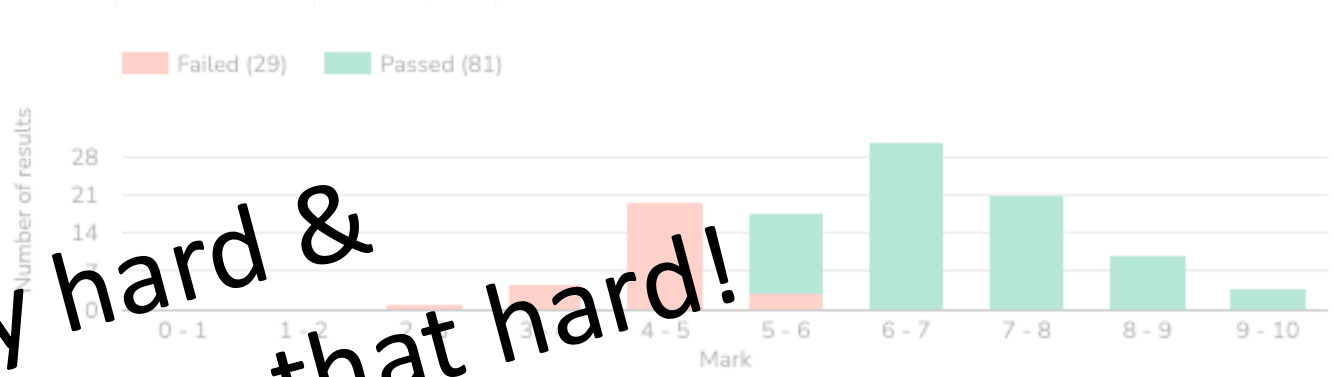
CV – Statistics (2025)

Tentamen:

Metrics

110 Results

73.64 % Pass rate



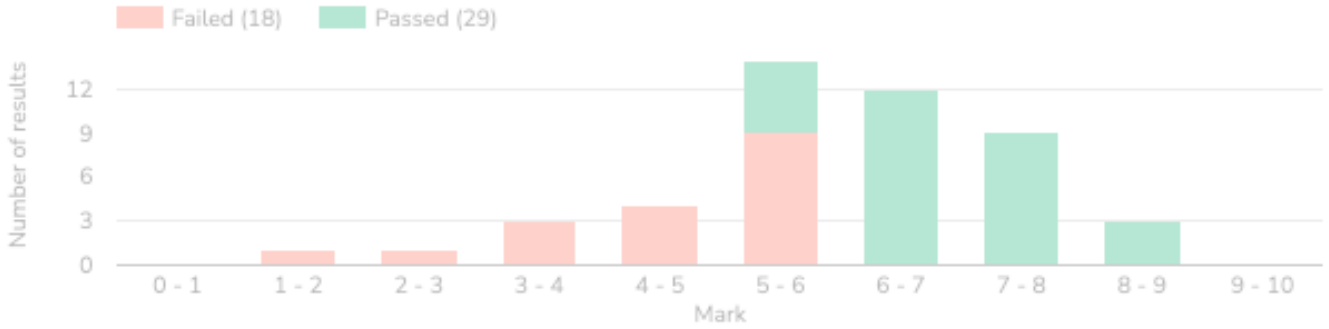
Study hard &

Passing won't be that hard!

Hertentamen:

47 Results

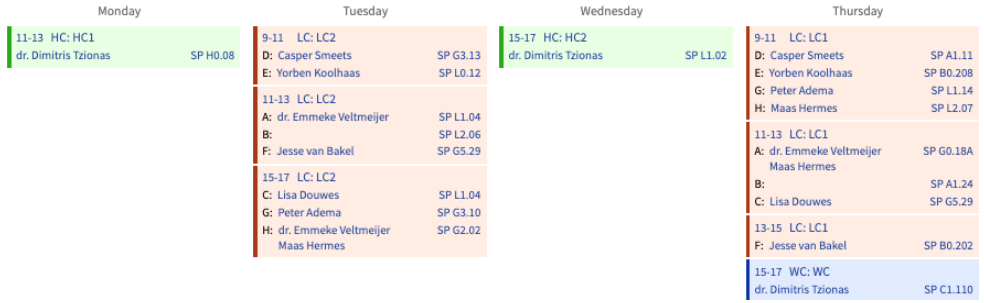
61.7 % Pass rate



CV - Format

Weekly Format

- 2 lectures (**HC**) + 2 labs (**LC**)
- Alternating pairs: $\{HC, LC\}_1 + \{HC, LC\}_2$
- Extra practice (**WC**) @ 'end' of the week



Location

Everything at **SP** (but building/class changes)

Attendance

- **Lectures (HC)** → Highly encouraged.

  Goal: Introduce new concepts

  Only for present ppl: WooClap for *in-class bonus*.

- **Labs (LC)** → Highly encouraged (*)

  Goal: You work on the *weekly assignment*

  Style: Active participation required! Free form.

  No regular attendance → TA won't answer emails.

  (*) At least 2x LC will be mandatory for live_grading

- **Practice (WC)** → Highly encouraged -- Extra practice/discussion

  Goal: Work on a *past exam*

  Style: Active participation required!

CV – Tools

DataNose

Schedule

https://datanose.nl/#course[138228]

Course Catalogue

Course Info

https://studiegids.uva.nl/xmlpages/page/2025-2026/zoek-vak/vak/129852

Rein's e-book

https://rvdboomgaard.github.io/ComputerVision_LectureNotes

Canvas

Content & Forum

https://canvas.uva.nl/courses/56444

Course Manual

Course Info

https://datanose.nl/#course[138228]/publishedmanual

CV – Assignments

Deadline to form Groups

Wednesday 01/04/2026, 23:59

(but ideally before the 2nd HC)

Weekly Assignments: (incl. retakes)

- **Teams** of **2** people → Partner in the *same LC group*

  (odd numbered groups: talk to us)

- Exceptions → Only *exceptional* reasons (email D4)
- Changing groups → Discouraged

Info on Groups

https://canvas.uva.nl/courses/56444/assignments/668238

Discuss to find group via 'reply'

https://canvas.uva.nl/courses/56444/discussion_topics/1095568

ANS:

- Manual group creation
- Only 1 person uploads

  (add team's names for your TA)
- Answers must be in a *separate* photo per question

  (ideal: LaTeX + screenshot)

CodeGrade:

- Automatic groups
- Only 1 person uploads

  (add team's names for your TA)

CV – Assignments

Grading (Weekly)

- Weighted avg: Coding (CodeGrade) & Theory (ANS)
- Rule of thumb 50/50% → Ratio might change
- Grading by your TA. Questions/errors? Talk to them

Deadline: 2 weeks after grade release

Submission deadlines

- Rule of thumb: **Sunday 23:59**
- In case of public holiday: Wait for announcement

How to work in a team?

- Ideally work together ☺ (find style that fits both)
- Your responsibility if: …
  - … you just split work (follow up & learn!)
  - … splitting has consequences on final exam
- Teams can talk to each other (peer learning), but don't just pass solutions. Don't submit copies.
- Please use Canvas forums for peer support. Canvas is inclusive. WhatsApp/etc are not.

CV – Assignments

Code

- Use Conda (or learn) → Listen to your TAs ☺
- If not: we will reduce help after 2nd week ☹

Code Submissions

- Leave the **filenames** of the programming assignments **unchanged**!
- Else, CodeGrade auto-grading will not work

CV – Assignments

AI tools (Claude, ChatGPT, Copilot, etc):

- Unless UvA forces us otherwise (we currently align)
- Allowed on the *condition* that you add a note

  for your TA to **let them know** both:

  1. that you do this, ***AND***
  2. how you use this -- Don't copy blindly!
     - first understand
     - then double-check
     - then adapt things to

       your style and understanding

Agreement

- Conditions **OK**: ☺ All good
- Conditions **NOK**: ☹ Plagiarism

In general: Be a good citizen (don't break trust)

Plagiarism

- Not allowed!
- Hopefully we will not have to deal (but we will)
- In general: Be a good citizen (don't break trust)

CV – Mock Exam

- We will release 1 mock Exam (with solutions) for the class
- The exam will *not* be a trivial variation of the mock exam

- **If you attend WC:**

  Each week you will work (with active participation) on the respective mock-exam part – with immediate access to it

- **If you do not attend WC:**

  The mock exam will be released in 2 parts:

  - Pt1: Before the lecture-free week
  - Pt2: Last week

CV – New for 2026

Mid-term Exam:

- **Request by students** to lower workload for the final exam
- Covers the first **~50%** of the material
- Roughly at the **middle** of the course
- Passing is **mandatory** for attending the final exam

Live-Grading Sessions:

- The TAs will test student's **understanding of own** weekly-assignment submissions
- **Mandatory** attendance for 2x LC slots (as minimum)
- Schedule coming soon (tentative plan: week 4 & 7)
- Passing is **mandatory** for attending any exam

CV – Grades

Pass_Grade =

40%	Mid-term exam	80% Resit
+40%	Final exam	
+15%	Weekly assignments	
+ 5%	Live grading	

Pass rules:

- avg(weekly_assignments) **>= 5.5** **AND**
- Live_grade **>= 5.5** **AND**
- Each exam grade (*) **>= 5.5** **AND**
- Pass_grade **>= 5.5**

(* mid-term, final exam, resit)

Bonus from HC WooClaps:

Only if you pass (see above)

Pass_grade += **bonus_max_0.5**

Weekly assignments (**):

- Out of **N** weeks
- Average of the **best N-1** weekly grades
- In practice:
  - The worst grade is 'forgiven'
  - Or 'skip' a week if sick
- **BUT** it is *your* responsibility:
  - To cover any 'lost ground'
  - If this has consequences on final exam

CV – Material

Lecture Videos:

- Only HCs
- Will add links on Canvas Modules

Slides:

- Go hand-in-hand with e-notes
- Some material is extra on top of e-notes
- This material might be in exam questions
- Crowdsource ideas & typo-findings

Crowdsourcing @ Canvas/etc

- Found a nice video / tutorial / tweet / …?

Weeks interconnected

- Weeks/Topics are inter-connected
- Ensure progress without gaps!

CV – External Support

SMASH

Statistics and Mathematics Advice and Support Hub

Online resources

- From basic concepts to advanced subjects
- Access anywhere, anytime via canvas on your own device
- Theory and practise questions with automatic feedback

Physical drop-in space

- Friendly tutors who are happy to help you
- Also by appointment for specific problems
- Help in English and Dutch

Scan the QR code for access to the SMASH canvas page

https://canvas.uva.nl/enroll/RLMWBN

https://student.uva.nl/en/articles/2024-smash-your-worries-about-maths-and-stats-fnwi

CV – Communication

General rules:

- Please avoid Canvas messages!

  (the UI is terrible, e.g. we cannot snooze on messages when busy)

  (we cannot guarantee to follow up)
- Instead prefer:
  - **Canvas Forum** – matters related to the entire class
  - **Email**

Organizational matters:

- Simpler questions: Emmeke (D4)
- Else: Me and CC Emmeke
- Always CC your TA!
- Always click “Reply to All”

Questions on Assignments:

- Your first point of contact is your TA
- Then Canvas Forum
- Then Emmeke (D4)
- Always CC your TA!

CV – Various

Citizenship:

- Be nice to your Peers & TAs
- Respect the rules that

  we agree upon today

Canvas forum for Q&A

- We highly encourage **peer learning**

  (Canvas forum is your friend)

  Help without giving away solutions

CV

Introduction to Computer Vision

Enjoy!!!

Form Pairs for Assignments

Info on Groups

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Discuss to find group via ‘reply’

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