# HUGO MORVAN

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## EDUCATION

**LINKÖPING UNIVERSITY, Sweden | GRADUATE STUDENT | Anticipated graduation: MAY 2025**
Master in **Statistics** & **Machine Learning**.

- Member of LiU Elitidrott (Track & Field)
- Particular interest for Machine Learning / Deep Learning / Computer Vision

**UNIVERSITY OF SOUTH DAKOTA, USA| UNDERGRADUATE STUDENT | AUGUST 2019 – MAY 2023**
Bachelor of Science in **Computer Science**, minoring in **Mathematics** and **Physics**; **Artificial Intelligence** certification.

- Summa Cum Laude, University Scholar Graduate, 3.903 GPA
- Member of Dr. KC Santosh's Applied Artificial Intelligence research lab
- National Collegiate Athletic Association (NCAA) Division I Track & Field Student Athlete
    - NCAA West Preliminary qualifier (2021, 2023), French Olympic trials qualifier (2021)
- Honors Core Curriculum Student
    - Research Thesis on the topic of 3D Deep Features for Covid-19 Screening in CT-Scans.
    - Undergraduate Research Excellence Award recipient
- U-Discover Summer Research Scholar
- Dean's List and Athletic Academic Honor Roll recipient for Fall 2019 through Spring 2023.

## EXPERIENCE

**MATHEMATICS TUTOR** | USD ACADEMIC & CAREER PLANNING CENTER | JANUARY 2022 – MAY 2023
- Math tutoring for peer student-athlete of the University of South Dakota
- Courses tutored range from Math 095 (Basic Algebra) to Math 321 (Differential Equation)
- One-on-one tutoring and group tutoring (20-30 attendees)
- Created a video presentation to train new and future tutors

**STUDENT AMBASSADOR** | USD COMPUTER SCIENCE DEPARTMENT | AUGUST 2020 – MAY 2023
- Appointed by faculty of the College of Arts & Science and by the chair of the Computer Science Department to be Student Ambassador
- Duties include interaction with prospective high-school students during the Coyote Visit Days, tabling events on campus to promote the College of Arts & Science, handwriting postcards to prospective high-school students

**CODE CLUB VICE-PRESIDENT** | USD CODE CLUB | AUGUST 2020 – MAY 2023
- Competitive programming club whose goal is to prepare for the annual multi-tiered International Collegiate Programming Contest (ICPC)
- Weekly contest, followed by meeting of the club to discuss solutions for the problems
- Activities include public speaking in front of the club members during the weekly meeting, assisting in recruiting new members during university events (Student Organization Fair), problem solving

**STUDENT RESEARCHER** | U-DISCOVER SUMMER RESEARCH PROGRAM | MAY 2022 – AUGUST 2022
- Research topic: 3D Deep Features for Covid-19 Screening in CT-Scans
- 10 weeks summer research program funded by a $5000 grant, mentored by **Dr. KC Santosh**
- Presentation of research results to various events: Ideafest 2023 (USD, Vermillion SD), South Dakota Honors Showcase (SDSU, Brookings SD), 2023 South Dakota Student Poster Session (South Dakota Capitol, Pierre SD)
- Undergraduate Research Excellence Award recipient: award includes a grant of $500 and a featured month in the Office of Research and Sponsored Programs 2023 calendar

## SKILLS

- **Languages**: French / English – Bilingual **|** Spanish – Intermediate proficiency | Swedish – Beginner
- **Programming languages**: Python, R, Java, MySQL, C++, SQL, Git