

**First Name, Last Name:** Hanae Elmekki

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## EDUCATION

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- **Ph.D. in Information and Systems Eng.**, Concordia University, Montreal QC, Canada. Exp. Graduation Winter 2028.
- **M.Sc. in Quality Systems Engineering** (Thesis-based), Concordia University. Fast-track to Ph.D. as of May 2024. CGPA: 4.23/4.3
- **Eng. degree in Telecom. & Technologies of Info.**, National Institute of Posts and Telecommunications (INPT), Morocco. Graduated July 2014. Grade: 15.87/20, ranked 2nd out of 200 candidates.
- **Preparatory Classes in Mathematics and Physics**, Omar Ibn Abdelaziz French System High School, Morocco. Graduated July 2011.
- **Bachelor's degree in mathematics**, Sidi Mohamed Ibn Abderrahman High School, Morocco. Graduated July 2009. 15.17/20, Excellent with Highest Honor.

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## SCHOLARSHIPS, AWARDS, AND OTHER ACADEMIC HONOURS

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- **Doctoral Research Scholarship FRQNT** | Montreal ~Canada | 2025-2028
- **Concordia University International Tuition Award of Excellence** | Montreal ~Canada | 2024-2028.
- **Frederick Lowy Scholars Fellowship** | Montreal ~Canada | 2024-2027.
- **Concordia Split Merit Scholarship** | Montreal ~Canada | 2023-2024.
- **Award of Distinction from the National Institute of Posts and Telecommunication** | Morocco | 2014 | Awarded for being ranked 2nd in the promotion 2014 (Eng. degree in Telecom. & Technologies of Information).

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## RESEARCH AND PROFESSIONAL EXPERIENCE

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- Concordia University | Montreal ~ Canada | May 2024 – Present | Ph.D. in Information and Systems Engineering (Supervisors: Dr. Jamal Bentahar & Dr. Lyes Kadem):
  - **Research Project:** Autonomous Cardiac Ultrasound Imaging System Using Deep Reinforcement Learning.
- Concordia University | Montreal ~ Canada | Jan 2023 – May 2024 | M.Sc. in Quality Systems Engineering (Thesis-based) (Supervisor: Dr. Jamal Bentahar):
  - **Research Project:** Autonomous Cardiac Ultrasound Imaging System Using Deep Reinforcement Learning (Fast-track to Phd)
- IEEE Middle East Conference on Communications and Networking | UAE | Aug 2024 - Nov 2024 | Technical Program Committee :
  - Duties: Evaluate conference papers by identifying strengths, weaknesses, and providing recommendations for each submission.
- Concordia University | Montreal ~ Canada | Sept 2023 - Dec 2023 | Teaching Assistant (1 class):
  - Undergraduate Course: Web Programming.
  - Duties: Prepare tutorials and conduct “Programmer on Duty” (POD) sessions.
- SuccesScolaire | Montreal ~ Canada | Feb 2023 - Jun 2023 | Mathematics Tutor:
  - Secondary 2 and 3 mathematic Courses.

- Duties: Prepare exercises and assignments; correct assignments and address students' questions on course material.
- IT Companies | Morocco | Sept 2014 – Dec 2022 | Full-Stack Software Engineer:

#### IT Companies (Morocco):

- Weelink: September 2014 – April 2015.
- Sofrecom Services Morocco (SSM): April 2015 – February 2017.
- CGI Technologies and Solutions: February 2017 – September 2018.
- Archos Technology: October 2018 – April 2019.
- Orange Business Services: May 2019 – December 2022.

#### Duties:

- Web application development and design: Contribute to the development and design of web applications across various fields, including Internet of Things and human resources management.
- Requirement analysis and workflow management: Analyze customer requirements and handle the entire software development lifecycle, from initial specifications to deployment.
- Team Leadership: Led teams of junior developers in designing a web application for human resources management.

## VOLUNTEERING ACTIVITIES

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- ArabWIC Conference (2019): Supported women in science.
- SAMA Association (2021/2022): Conducted science activities for children.
- INPT Social Activities Club (2011/2014): Engaged in clothing distribution for rural support.
- Gardening Volunteer, Jardins des Patriotes, Canada (2023).
- Volunteering at CHLSD Auclair in Montreal (starting in June 2025).