The University of Waterloo’s David R. Cheriton School of Computer Science is the largest academic concentration of computer science researchers in Canada. We have more than 100 faculty members, 60 administrative, instructional and technical staff, 4,000 undergraduate students and 400 graduate students.

### Research Areas

- Algorithms and complexity
- Artificial intelligence
- Bioinformatics
- Computer algebra and symbolic computation
- Computer graphics
- Cryptography, security, and privacy
- Data systems
- Formal methods
- Health informatics
- Human computer interaction
- Machine learning
- Programming languages
- Quantum computing
- Scientific computation
- Software engineering
- Systems and networking
- Theoretical neuroscience

### New faculty members

- **Diogo Barradas**  
  Censorship-resistant communication
- **Wenhui Chen**  
  Natural language processing, deep learning, knowledge representation and reasoning
- **Mohammad Hajiabadi**  
  Theoretical cryptography
- **Meng Xu**  
  System and software security

---

**Cheriton School of Computer Science, top CS program in Canada based on program and research reputation**

-Maclean’s 2021 University Rankings

-23rd computer science program in the world  
  2021 Quacquarelli Symonds World University Subject Rankings

**Ihab Ilyas**  
2020 ACM Fellow for contributions to data cleaning and data integration

**Ming Li**  
2020 Lifetime Achievement Award in Computer Science, CS-Can | Info-Can

**Mei Nagappan**  
2020 Outstanding Early Career Researcher Award, CS-Can | Info-Can

**M. Tamer Özsu**  
2022 IEEE Innovation in Societal Infrastructure Award

---

**Highlights**

- **Eric Blais**  
  Ontario Early Researcher Award
- **Jeffrey Shallit**  
  Elected to Finnish Academy of Science and Letters
- **Sergey Gorbunov**  
  Raises $3.75 million USD for Axelar, his blockchain start-up, secures $25 million USD in Series A funding
- **Shalev Ben-David and Eric Blais**  
  Best Paper Award, FOCS 2020  
  Work extends Yao’s minimax theorem
- **N. Asokan, Jian Liu, Wenting Li, Ghassan Karame**  
  2019 Best Paper Award, IEEE Transactions on Computers
- **Ahmed Alquraan**  
  2021 IBM PhD Fellowship, one of 16 recipients internationally
- **Mike Schaekermann**  
  2020 Distinguished Dissertation Award, CS-Can | Info-Can
- **Abbas Abou Daya, Mohammad A. Salahuddin, Noura Limam and Raouf Boutaba**  
  2021 IEEE CNOM Best Paper Award
- **Iman Akbari with Mohammad A. Salahuddin, Leni Ven, Noura Limam, Raouf Boutaba, Bertrand Mathieu, Stephanie Moteau and Stephane Tuffin**  
  ACM SIGMETRICS 2021 Kenneth C. Sevcik Outstanding Student Paper Award
- **Peter Forsyth with Ken Vetzal and Graham Westmacott**  
  2021 Brockett–Shapiro Actuarial Journal Award
- **Ildar Gainullin, Jason Yuen and Wesley Leung**  
  2021 ICPC North America Division Champions, will advance to 45th ICPC World Finals