JUMP START *with* STUDENT TALENT
FREE Access, Training, Mentorship ($13,000 value!)*

ACENET
accelerate discovery

ICTC CTIC

ACENET and ICTC are partnering to take the company benefits from ICTC's post-secondary student wage subsidy program, WIL Digital, to another level.

ACENET is a not-for-profit whose aim is to increase the competitive advantage of industry in Atlantic Canada through the power of supercomputing. We work with clients who need more **compute, memory** or **storage** capacity, who don't want to invest in and manage complex computing infrastructure, who may find navigating commercial cloud services complicated, who want to develop their in-house skills, and who appreciate having a local team of technical experts invested in their success.

The **Information and Communications Technology Council (ICTC)** is a not-for-profit, national centre of expertise strengthening Canada's digital advantage in a global economy. Through trusted research, policy advice, and capacity-building programs, ICTC has empowered a robust, inclusive digital economy for over 25 years. ICTC's **WIL Digital wage subsidy** is an innovative Work Integrated Learning program, funded by the Government of Canada's Student Work Placement Program, that helps employers by providing wage subsidies for hiring post-secondary students.

Use supercomputing for large-scale analysis and modelling in areas including:

- machine learning and artificial intelligence
- large and varied data processing
- data visualization
- CFD, FEA
- atomic and molecular simulations
- new materials design
- drug design
- medical innovations
- and more!

Participating companies receive:

- Up to 75% of an eligible student's wages, capped at $7500, for a four-month work term focused on a project requiring supercomputing *

- 10,000 CPU compute hours or 285 GPU hours

- 10 hours of onboarding technical consulting support with ACENET's team of experts

- 6 months of free access to any of ACENET's scheduled training sessions

- Free participation for the eligible student in ICTC's e-learning courses
  - Artificial Intelligence, Intelligent Retail and Commerce, Advanced Manufacturing, Fintech, or Cybersecurity.

- 16 hours of ACENET mentoring for student
  - A weekly one-on-one session with one of our technical experts to help the student hone their skills and solve specific problems in your company.

TOTAL VALUE UP TO $13,000

Siku: Atlantic Canada's supercomputing system

Siku was funded, in large part, by ACOA to provide industry with local access to state-of-the-art computing infrastructure.

- **2300 cores with Intel Cascade Lake CPUs**
- **NVIDIA Tesla V100 GPUs to power AI/Machine Learning projects**
- **A high-throughput low-latency EDR Infiniband interconnect**
- **Both batch and cloud-computing interfaces to suit the way you work**
- **A 1.5 PB parallel filesystem with data protected by regular tape back-ups**
- **JupyterHub, for rapid exploration of your data with R-Studio or Python, and a virtual desktop in your browser**

Let our support team help you

Our team has a unique combination of advanced degrees in physical and applied sciences, research experience using advanced digital tools, and years of technical experience teaching and supporting high performance computing users from novice to advanced.

Determine your needs • general onboarding • move from Windows to Linux • install, debug and configure software • adjust code • migrate data • optimize efficiency • setup and configure cloud resources • manage data • advise on storage • ongoing support

ACENET's support staff will help you optimize compute workload efficiency and make the most of our state-of-the-art tools. When you encounter an issue that threatens your project or compromises your timeline, reach out to our experts for in-depth collaboration.

Strengthen your in-house skillset

We offer training, from novice to advanced, as scheduled events or custom training. We help people who have never used supercomputing get up and running, or the more experienced hone their skills.

Our training is a strategic investment in your success

Explore our full training offering at **ace-net.ca/training/**

ACENET & ICTC champion Atlantic Canada's talent for innovation and are eager to support our local entrepreneurs!

CONTACT US TO DISCUSS YOUR R&D COMPUTING CHALLENGES AND EXPLORE THIS OPPORTUNITY