palette. X IF FIELDS INSTITUTE

ACCELERATED CYBERSECURITY TRAINING PROGRAM

PROVIDING TOP TALENT FOR INDUSTRY

Cyber threats are growing exponentially, and the competition for cybersecurity talent has never been so fierce. In this rapidly-evolving field, leveraging Canada's top quantitative minds is essential. Our new cybersecurity talent development program bridges the gap between academia and real-world industry, providing firms with the workers they need to face the cyber threats of tomorrow.

Through hands-on training and problem-solving of current real-world cyber threats, our candidates are immersed into the demands of industry. Graduating as adaptable, agile, critical thinkers, our alumni are equipped to make waves in the cybersecurity space and support your company's safety and success.

WHAT WE DO

- Recruit high-performing candidates with Masters or Doctoral degrees in quantitative fields or equivalent work experience
- Screen candidates to create a cohort with technical, strategic and soft skills
- Teach mechanisms to increase adaptability, critical thinking and problem solving
- Provide a broad multi-faceted understanding of the evolving cybersecurity landscape and the infrastructure and assets being protected

PROGRAM TOPICS

- Cybersecurity Fundamentals and Risk Analysis
- Cryptography Theory and Practice
- Network communication, Data Protection and Security Audits
- Application Security and Complex Security Systems Management (IAM, Operations)
- Cybersecurity Management and Future Evolvement

PROGRAM STRUCTURE

Training (Nov 16 - Dec 18, 2020)
- Interactive lectures
- Case studies
- Practical exercises and labs
- Business skills

Industry-Focused Projects (Jan 4 - 22, 2021)
- Small teams work on projects to solve real-world issues affecting businesses
- Intended to demonstrate skills that will be applied to full-time roles

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TIME COMMITMENT FOR EMPLOYER PARTNERS

- Attend virtual networking events and demos - 1.5 - 2 hours total) in early-mid January
- Optional: Sit on a panel on December 17th or engage as a mentor for a student project

BENEFITS OF BEING AN EMPLOYER-PARTNER

- Quickly and easily meet pre-vetted, job-ready cybersecurity candidates who have:
  - Advanced education in quantitative subjects such as math, statistics, engineering, etc.
  - Proficiency in cybersecurity topics including cryptography, risk-analysis, data protection, application security, network communication, complex systems management and more
  - Passion for technology and coding experience
  - Soft-skills and business acumen required to succeed at organizations like yours
- The opportunity to interview your choice of candidates for positions at your company
- The option to assess candidates' skills through projects co-designed with your team to be relevant to your business

HOW CAN I GET INVOLVED?

To access this job-ready talent contact Ann Lockhart, Program Manager - Cybersecurity, Palette Skills - **ann@paletteskills.org**

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Palette is a national talent platform whose mission is to meet the needs of Canada's most innovative companies by rapidly upskilling workers.

The Fields Institute is a centre for mathematical research activity - a place where mathematicians from Canada and abroad, from academia and industry, can come together to perform research and formulate problems of mutual interest.