Collaborating with CMU on security and privacy

September 25, 2019
CyLab Partnerships...

• **Build upon and grow the foundation** of CMU’s security & privacy work

• **Connect companies and government institutions to research, education, faculty, students**

• **Resulting in:**
  - ✓ **real-world solutions and insights** for the partner
  - ✓ **vital funding and experience** for faculty and students
Engaging CMU on Cybersecurity
• Recruiting:
  - job posting distribution, on-campus meetings, events
• Masters Student Projects:
  - Heinz College Capstone
  - Human Computer Interaction Institute (HCII) Capstone
  - Information Networking Institute (INI) Practicum
  - Privacy Engineering Capstone
• Student Fellowships (endowed or annually)
• Gifts (unrestricted)

• Jointly-defined Projects – IRAD and CRAD
  - CyLab Partner Program
  - Sponsored Research (negotiated terms)

• Targeted Initiative Program Sponsorships
  - Secure & Private IoT (existing)
  - Cyber Autonomy: Security + AI (exploring)
  - SAFE: Security Automation for Fabricated Electronics (exploring)

• Professorships/Endowed Chairs
• SEI & CERT Courses
• Custom Developed Courses
  ➢ IoT Connected Products
  ➢ AI & Security
  ➢ Cybersecurity Program (Basic, Advanced, Expert levels)
  ➢ other topics are possible...
• Certificate Programs (through Heinz College & SEI CERT)
  ➢ Chief Information Security Officer (CISO)
  ➢ Chief Risk Officer (CRO)

*Discounts may be available for CyLab partners*
• Art & Drama of AI & Ethics
• Diversity Initiatives (exploring)
• picoCTF STEM & Workforce Development
  ➢ Supported by government & foundation grants + corporate sponsorships

picoCTF 2018 Global Participation

- Youth (MHS): 4348
- Teachers: 7075
- College Students: 14957
- Professional/Other: 841

PICOCFT 2019 REGISTRATION NOW OPEN
picoCTF 2019 will be held September 27 - October 11, 2019!
Register now and follow our Twitter feed for more updates.

2019 Registration Stats
12,418 users have registered, 4,794 of which have formed 2,235 teams. 599 classrooms have been created by 536 teachers.
• Named Buildings & Facilities
• Office Space
• Visiting Researchers
  ➢ Full year
• Visiting Representatives
  ➢ Partners may reserve up to 4 weeks / year

Subject to availability
CyLab Partnership Program

- Partners Conference
- Distinguished Seminars
- Partners Portal
- Recruiting Assistance
- Visiting Researchers & Hosted Visits
- Jointly Defined Research Projects
- Targeted Research Initiatives
- Professional Education Discounts
- Brand Awareness
Open the door to CMU cybersecurity collaborations

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