Welcome to RamHacks, a hackathon open to any university student. RamHacks is presented by the Virginia Commonwealth University School of Engineering Department of Computer Science.

Your company is a driving force behind RamHacks. The knowledge brought to this hackathon by industry make it a powerful catalyst for out-of-the-box thinking. Thank you for considering RamHacks as a partnership between the School of Engineering, industry and creative minds ready to make something new.

— Barbara D. Boyan, Ph.D., Dean

As the Department of Computer Science Chair, it is my pleasure to announce the third year of RamHacks, VCU School of Engineering’s premier hackathon. The computer science department is excited to organize and host this event — and develop a lasting partnership with your company.

By partnering with the Department of Computer Science, your company engages students from across the region and enhances their creative and programming skills. Thank you for considering RamHacks.

— Krzysztof J. Cios, Ph.D., Chair
Department of Computer Science
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The RamHacks organizing committee of the VCU Department of Computer Science.

RamHacks is a 24-hour programming marathon for innovative developers to design and implement a software or hardware application of their choosing. Specific themes and challenges provided by our sponsors will be presented to competitors. This will be the third Hackathon organized at the VCU School of Engineering and we intend to increase the number of participants to 300.

Students may work in teams of one to four members; cross-university teams are encouraged.

RamHacks gives creative programmers a chance to make something innovative together. The Department of Computer Science is hosting this hackathon to ignite the spirit of students by providing a competition with no creative boundaries.

The Department of Computer Science uses this as an opportunity to engage local, national and international companies by establishing new relationships between VCU and technology driven companies.

For information about RamHacks please contact:
Alberto Cano, Ph.D. | Assistant Professor, Department of Computer Science
(804) 827-4002 | acano@vcu.edu
benefits of sponsorship

- A personalized marketing medium
- An interactive networking approach with a potential recruitment pool of 300 students
- Potential API/Software demonstration

how sponsors can help

Sponsors make this hackathon possible by providing funds for food, beverages, security, porter service, etc. The remaining funds will support the Department of Computer Science for future events, undergraduate research and more.

how to be a sponsor

You can write a check payable to the VCU School of Engineering Foundation for RamHacks. To sponsor online, visit RamHacks.vcu.edu.
**SPONSORSHIP tiers & benefits**

*RamHacks isn’t just an opportunity* to attract award winning talent — it’s a chance to show what your company can do by tapping into the most innovative minds in the country.

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**GOLD**

$7,500

- Top T-shirt logo placement
- Keynote speech
- Have a dinner named after your company (limited to 1)

*Includes all benefits of silver, bronze and supporter packages.*

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**SILVER**

$5,000

- Give a TechTalk
- Priority T-shirt logo placement
- Have a lunch named after your company (limited to 2)

*Includes all benefits of bronze and supporter packages.*

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**BRONZE**

$2,500

- Rep & booth at the event
- Access to participants’ resumes
- Have breakfast named after your company (limited to 1)

*Includes all benefits of supporter package.*

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**SUPPORT**

$1,000

- Logo on T-shirts
- Judge entries

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*{ Sponsors are limited to one named meal }*

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For information about sponsorship & benefits please contact:

Philip O’Connor | Corporate Relations Officer | (804) 828-9551 | oconnorpl@vcu.edu
Judging will be conducted by the official sponsors of RamHacks.

1 // overall

The criteria for judging participants will be based upon:

- Usability
- Functionality
- Innovation
- Use of hardware component (where applicable)
- Aesthetics

2 // specific challenges

Judged only by challenge creator.

Independent criteria and awards will be based on sponsor’s preference. If a sponsor (Gold, Silver, Bronze) is creating a challenge they must provide a judge and an award. Teams are eligible for more than one award.
**SCHEDULE**

**Saturday 16**

- **10:00 a.m.** Registration
- **11:00 a.m.** Opening ceremony with keynote speech
- **12:00 p.m.** Silver sponsored lunch
- **1:00 p.m.** Hacking begins
- **3:00 p.m.** TechTalk
- **6:00 p.m.** Gold sponsored dinner
- **9:00 p.m.** TechTalk

**Sunday 17**

- **12:00 a.m.** Midnight snack
- **8:00 a.m.** Bronze sponsored breakfast
- **10:00 a.m.** TechTalk
- **12:00 p.m.** Silver sponsored lunch
- **1:00 p.m.** Hacking ends
- **1:00 p.m.** Expo and judging begin
- **3:00 p.m.** Closing ceremony

*Schedule may be subject to change.*
The RamHacks organizing committee of the Department of Computer Science are grateful for your involvement with RamHacks. Companies like yours that value innovation, creativity and impact make this hackathon possible. Thank you for your interest.

**The TEAM**

**Alberto Cano, Ph.D.**  
Assistant Professor,  
Department of Computer Science  
acano@vcu.edu | (804) 827-4002

**Chase Greco**  
President,  
Student Advisory Board

**Quark Wei**  
President, Association for  
Computing Machinery  
Member, Student Advisory Board

**Jeet Gajjar**  
Co-founder, CyberSecurity Club  
Member, Student Advisory Board
BY THE NUMBERS

vcu computer science

274 undergraduate students

49 graduate students

10+ RESEARCH GRANTS

from sources including:

- Department of Energy
- National Science Foundation
- National Institutes of Health
- U.S. Army

6 DEGREE PROGRAMS

- B.S. in Computer Science
  - Certificate in Cybersecurity
  - Certificate in Data Science
- Accelerated B.S. & M.S.
- Post-Baccalaureate Certificate
- M.S. in Computer Science
  - Certificate in Cybersecurity
  - Certificate in Data Science
- M.S. in Computer & Information Systems Security
- Ph.D. in Engineering, focus in Computer Science

49 graduate students

18 full time faculty

8 affiliate faculty

DEPARTMENT EVENTS

- hackathons
- high school programming contest
- computer science seminar series

RESEARCH AREAS

- big data
- learning algorithms for big data
- social network security
- quantum computing
- bioinformatics
- wireless network security
- machine learning
- computational linguistics

STUDENT ORGS

- ACM (Association for Computing Machinery)
- Computer Science Student Advisory Board
- Ram Development @ VCU
- Cyberdefenders @ VCU
- Siggraph ACM @ VCU
- Linux User Group @ VCU

VCU School of Engineering
VCU School of Engineering

1,746 undergraduate students

247 graduate students

1250 AVERAGE ADMIT SAT

82 m.s. students

165 ph.d. students

3.97 AVERAGE ADMIT GPA

92 TEACHING FACULTY

25% of students are female

RESEARCH AREAS

- Sustainability & Energy Engineering
- Mechanobiology & Regenerative Medicine
- Micro & Electronic Systems
- Pharmaceutical Engineering
- Security & Mining
- Big Data
- Device Design & Development

49% white

21% asian

9% hispanic/latino

7% international

6% other

2+ races

3.97 AVERAGE ADMIT GPA

RamHacks.vcu.edu