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SJU ACM STUDENT CHAPTER



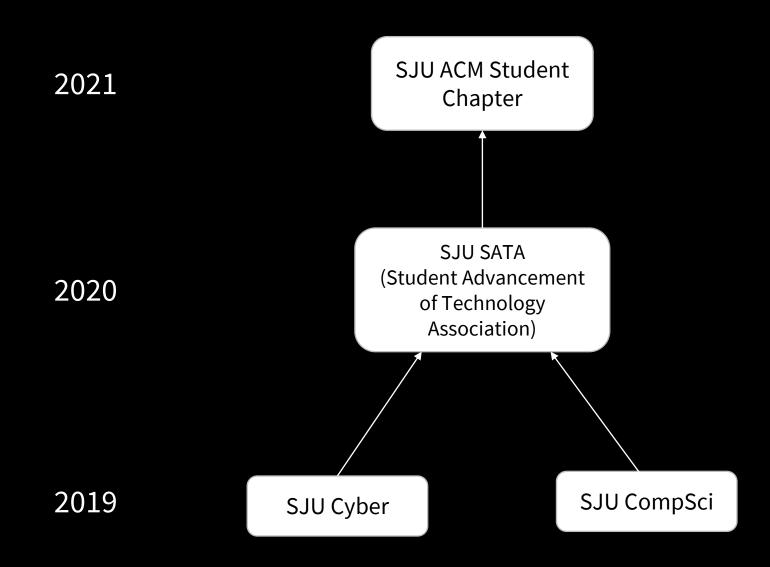


 St. John's University's premier organization for both Computer Science & Cyber Security

 Dedicated to providing students with the necessary material to succeed in a future career in tech

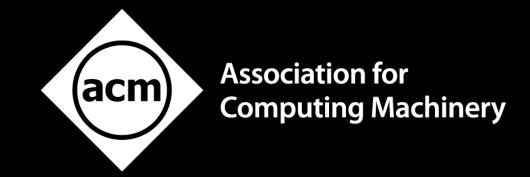
 We look to provide members with various opportunities such as coding competitions, technical talks, and mentoring sessions by experienced professionals

BRIEF HISTORY



WHAT IS ACM?

- The Association for Computing Machinery (ACM) is the world's largest scientific and educational computing society with over 100,000 student and professional members
- Unities educators, researchers, and professionals to share resources and opportunities to advance the field of computing as both a science and profession

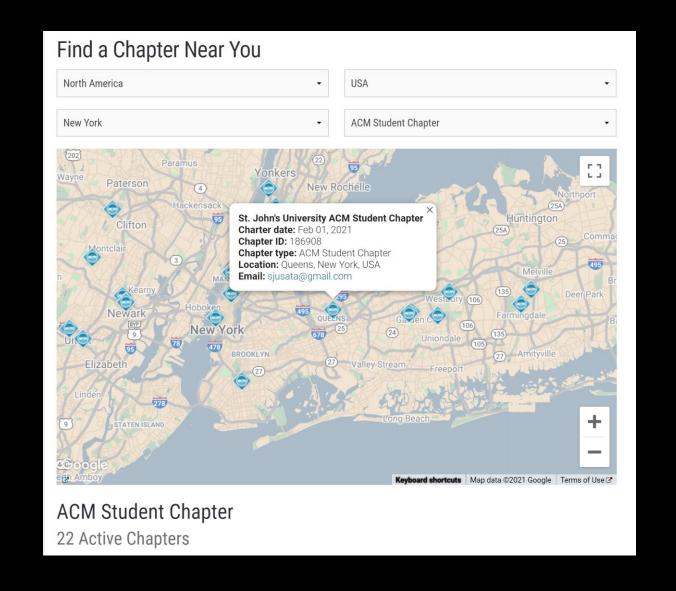




NYC ACM STUDENT CHAPTERS

Get to network with students involved in ACM Student Chapters at:

- NYU
- City College
- Hofstra
- NYIT
- Queens College





INTRODUCING OUR E-BOARD

FAIZAN | CO-PRESIDENT

- Senior in the 5 year Combined Degree program
 - B.S. in Computer Science & M.S. in Data Science
- Global Data Analyst Intern at Bloomberg LP
- Research Assistant under Dr. Keshtkar
 - Published "A Deep Learning Approach for COVID-19
 & Viral Pneumonia Screening with X-ray Images"
- I'm a huge NBA fan and enjoy photography / videography, especially with my drone!



EDWIN | CO-PRESIDENT

- Junior here at St. John's University
 - Majoring in Cybersecurity Systems w/ a Concentration in Digital Forensics
- Strong Passion for Cybersecurity, "Red Teaming" is my go-to in this field
 - Coming from a background of Networking and IT with CompTIA
 & Cisco certifications CCNA
- Striving for my OSCP (Offensive Security Certified Professional) certification along with my CEH (Certified Ethical Hacker) certification in near future



ROSHNI VICE PRESIDENT

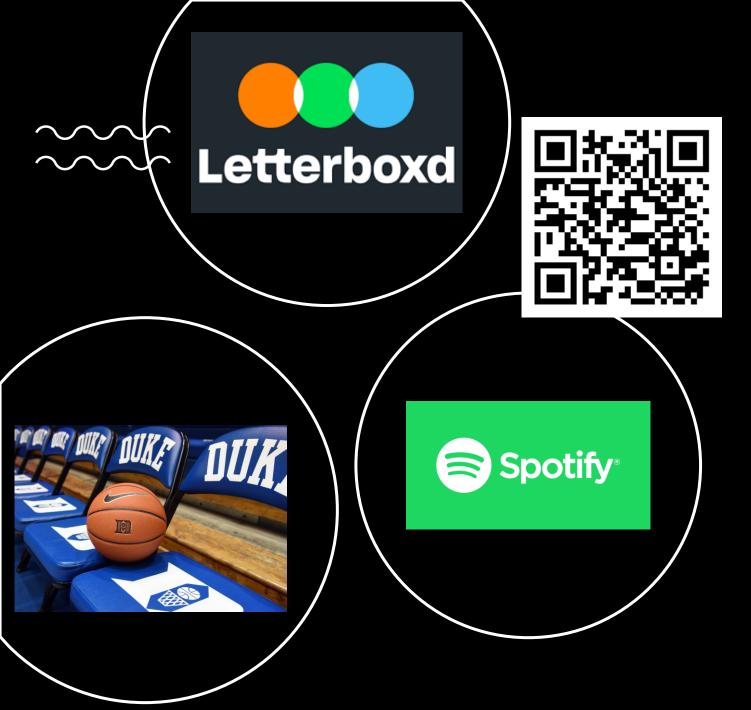
- Senior (☺) majoring in Cyber Security Systems with a minor in International Studies
- Bit of a blue teamer but excited to focus on some fun red teaming workshops with y'all!
- Starting full time as a Cyber Analyst this January
- Next potential Cyber endeavor (and possible lab?): Dive into beginner Raspberry Pi stuff...
- Fun Fact: Fav podcast is Hello from the Magic Tavern









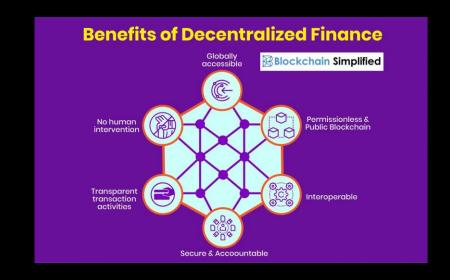


DEJONTE | TREASURER

- Junior pursuing a B.S. in Computer Science
- Second year as a part of SJU ACM
- Interested in internship opportunities related to Product Management and understanding the full life cycle and deployment of software applications
- Club Lead of the upcoming <u>Google Student</u>
 <u>Developer Club</u> (Looking for interested
 Students!!!)
- Interests: Music, Movies, Playing and Watching basketball, Reading

TRISTAN | INFORMATION OFFICER

- Junior majoring in Computer Science
 - Technical Lead of the Google Student Developer Club
 - Pursuing Responsive Web Design Certification at FreeCodeCamp.org



- Strong interest in future applications of tech: AI, Web 3.0, DeFi
 2.0
- Also like music, movies, videogames, etc



RAYMOND EVENTS COORDINATOR

- Sophomore majoring in Cyber Security Systems
 - Desire to obtain M.B.A. following undergrad
- Cisco High Intern for Cisco Systems
- Background in computer networking
 - Certifications include CCENT, MTA Networking Fundamentals, CompTIA IT Fundamentals
 - Pursuing CCNA, CompTIA Security+



TOM | COMMITTEE CHAIR

- Senior majoring in Computer Science with a concentration in Cyber Security
- Worked in IT before college and did an internship here at the university 2 summers ago working with a dean on a computer science research project
- Currently working on building a startup company focusing in game development called Tektonik Software
- I do photography and ride a motorcycle





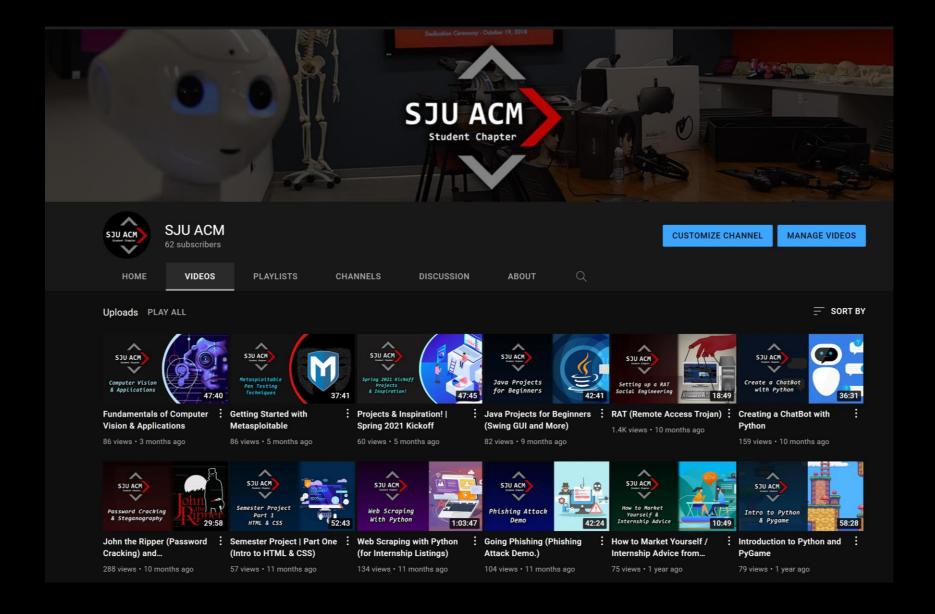
JADE | SOCIAL MEDIA COORDINATOR

- Senior Computer Science Major & Fine Art Minor
- Corporate experience as Lehman Brothers Holdings Inc. intern
- Teaching experience through Girls Who Code
- Interests in Game Design/Development, Animation, & VFX
- Published illustrator (book covers, official merch, interviews & features)





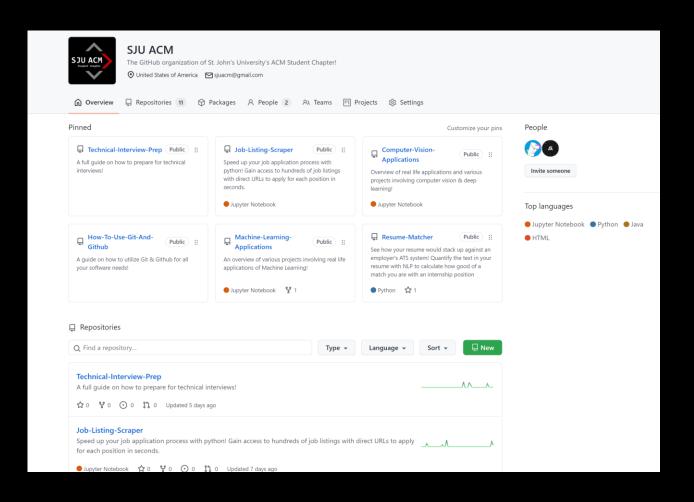
PAST MEETINGS





OUR GITHUB

View all the source code for dozens
 of projects ranging from topics in
 Computer Vision, Machine Learning,
 Web Scraping, NLP, Web
 Development, and more!

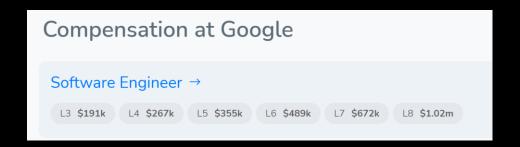


https://github.com/SJUACM



TECHNICAL INTERVIEW PREP

- Series of meetings to help prepare you for Software Engineering interviews
- Centered around solving common coding problems asked by companies like Google, Facebook, Microsoft, Lyft, etc.
- Emphasis on data structures and algorithms
- All code will be written in Python!

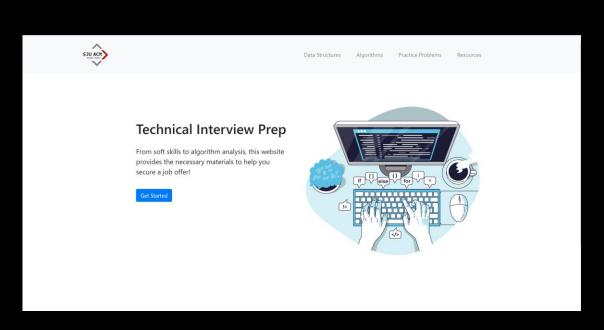


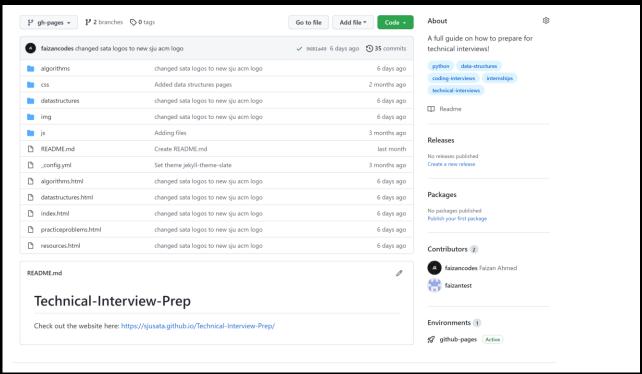






CONTRIBUTE TO AN OPEN SOURCE PROJECT!

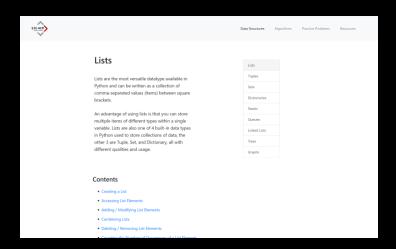








- Gain experience with software engineering principles by collaborating on code and utilizing GitHub
- Become skilled in web development HTML,
 CSS, JavaScript
- Learn and reinforce your Python, Data
 Structures, and Algorithms knowledge
- Great way to prep for interviews yourself!



```
Creating a List
   # Create an empty list
   nums = []
   # Adding values to the list
   nums.append(1)
   nums.append(2)
   nums.append(3)
   nums.append(4)
   print(nums)
   >>> [1, 2, 3, 4]
   # You can also initialize a list with values
   nums = [1, 2, 3, 4]
   print(nums)
   >>> [1, 2, 3, 4]
   # The * operator can be used to create repeated lists
   nums = [1, 2, 3] * 3
   >>> [1, 2, 3, 1, 2, 3, 1, 2, 3]
```



General Tips

- Ask questions!
- Meet with your Professors
- Learn outside of the classroom
- Learn how to sell yourself
- Apply to internships early!





UPCOMING MEETINGS

Technical Interview Prep Session 1:

• Understanding the Importance of Time Complexity

Data Analytics with Python

Intro to AI & Machine Learning

Natural Language Processing

Reverse Engineering

Women/Nonbinary Meetup

Please see us if you want to present something!!:)



UPCOMING EVENTS

Day in the Life of an SJU Alum

• October 28th

NY Metro ACM Hackathon

Mid November

Guest Speaker from AWS or Microsoft

• TBD

Department of Energy's Cyberforce Competition

• Team registration due 10/1

NECCDC Cyber Competition



Lab Instructions

- Login: restart for closed network, student, Security2021
- Login for SJUACM Kali: sjucyber, Security19
- Login for SJUACM Metasploitable: msfadmin, msfadmin



Lab Instructions

- host-only networking
- Kali: sudo su, msfconsole, use auxiliary/dos/tcp/synflood
- Metasploitable box: ifconfig, tcpdump -i any
- Kali: set rhost IP OF METASPLOITABLE, set rport 80
- New window, type wireshark. Listen on eth0
- exploit

