



# **TECH SYMPOSIUM**



*March 19, 2022*

*Students With an Interest in the Future of Technology*

*2021 - 2022 Academic Year*

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# Letter of Gratitude

Dear Appreciated Student Group Program Sponsor,

This letter is intended to introduce our organization, Students With an Interest in the Future of Technology (SWIFT), as an officially registered student club that is approved and in good standing with California State Polytechnic University, Pomona.

Our student club seeks to inspire and develop future cybersecurity and information technology specialists. Each year, we host a conference to allow our student body to network amongst each other and connect with representatives and recruiters at highly-sought after companies within the cybersecurity industry.

We request your kind consideration to support our student group so we can continue to pursue our goals. A monetary donation would go a long way to benefit our members and activities, as well as help our student organization attain our educational purpose and mission.

Your monetary donation will be deposited in our Associated Students, Inc., which is an authorized 501(c)(3) for charitable contributions. Any donation you make will be eligible for a charitable receipt. If you would like to make a contribution, please visit the following link:

[SWIFT Sponsorship Link](#)

Alternatively, you can also send checks payable to Associated Students, Inc. with our club name in the Memo line and mail to:

**Gift Processing  
Cal Poly Pomona  
PO Box 3121  
Pomona, CA 91769**

Thank you for your consideration in support of our club!

Sincerely,

A handwritten signature in black ink, appearing to read "Taylor Nguyen".

**Taylor Nguyen, President**



College Of Business Administration | Computer Information Systems

A handwritten signature in black ink, appearing to read "Dr. Ronald Pike".

**Dr. Ronald Pike, Faculty Advisor**



College Of Business Administration | Computer Information Systems

### Tech Symposium

Tech Symposium is a conference attended by hundreds of students that are dedicated to system administration, network administration, and security—the very foundations of SWIFT. The conference is open to academia, industry, government and anyone else with an interest in systems/network administration and cybersecurity. Tech Symposium is organized and operated entirely by students and brings them together with professionals in an interactive and informative series of presentations and workshops. Most importantly, Tech Symposium establishes a connection between professionals and students that will serve as guidance and inspiration for students to pursue their passion in advancing the future of technology.



### Opening Closed Doors

Tech Symposium creates a connection between students with a passion for technology and professionals who are experienced in their fields. With cybersecurity and systems administration becoming increasingly integrated, it can be difficult for new entrants to pursue these fields due to their high skill requirements. Tech Symposium serves as a bridge for inquisitive minds to learn more about technologies that are driving our society forward. In addition, it brings academia together with industry and government in discussions that foster mutual learning and potentially lead to mentoring relationships.

### Shaping the Future and Inspiring the Next Generation

Sponsoring Tech Symposium allows organizations to connect with and influence students in many areas of focus and share their skills and knowledge with the next generation of professionals. The conference has seen speakers from some of the biggest companies from all fields of technology, such as IBM, Boeing, Warner Bros, Verizon, AT&T and many more.





### Staying Flexible During the Pandemic

Tech Symposium has traditionally been held in a conference format, serving as an opportunity for students to network with industry professionals and companies face-to-face. However, with the complications brought by varying circumstances, we adapted to retain as much of the personal interactions as possible by reorganizing Tech Symposium to best fit an online environment. With Discord as the platform for this year's conference, we are able to customize our server for the best online attendee experience possible.



### Boosting Connections

With the predominance of a virtual world, it is crucial to stay connected and learn from each other as much as possible. The support of Tech Symposium allows various organizations and students to continue to come together and share their experiences. The conference has continuously led participants to connect and grow amongst each other, as well as become empowered with newfound knowledge and skills. Though it has been an in-person conference in previous years, the shift to an online version of Tech Symposium has still garnered strong attention and participation.

## Supporting Tech Symposium

Below are various areas of sponsorships and donations available for Tech Symposium. Preset donation amounts can be made in the [SWIFT Sponsorship Link](#). If you would like to donate a custom amount, please input your donation in the “Other Amount” field in the form.

Headline Sponsorship (\$20,000)
<ul style="list-style-type: none"> <li>• All Diamond level benefits</li> <li>• Receive designation as Headline Sponsor and priority placement on SWIFT promotional material (including flyers, graphics, website, and other marketing material) <ul style="list-style-type: none"> <li>◦ Company name featured in event title</li> <li>◦ Company logo featured on moderator virtual backgrounds</li> <li>◦ Sponsor recognition message at the beginning of each talk</li> </ul> </li> </ul>
Diamond Sponsorship (\$10,000)
<ul style="list-style-type: none"> <li>• All Gold level benefits</li> <li>• Receive designation as Diamond Sponsor on SWIFT promotional material (including flyers, graphics, website, and other marketing material)</li> <li>• Other Diamond Sponsor benefits: <ul style="list-style-type: none"> <li>◦ Moderators will direct attendees to room</li> </ul> </li> </ul>
Gold Sponsorship (\$5,000)
<ul style="list-style-type: none"> <li>• All Silver level benefits</li> <li>• Receive designation as Gold Sponsor on SWIFT promotional material (including flyers, graphics, website, and other marketing material)</li> <li>• Gold Sponsor benefits: <ul style="list-style-type: none"> <li>◦ Designated virtual room with text channel and voice channel</li> <li>◦ Have permissions to ping active members on Discord</li> </ul> </li> </ul>
Silver Sponsorship (\$1,000)
<ul style="list-style-type: none"> <li>• Receive designation as Silver Sponsor on SWIFT promotional material (including flyers, graphics, website, and other marketing material)</li> <li>• Silver Sponsor benefits: <ul style="list-style-type: none"> <li>◦ Designated virtual booth with text channel</li> <li>◦ Have permission to pin messages</li> <li>◦ Optional lecture-style presentation or hands-on workshop</li> </ul> </li> </ul>
Community Sponsorship (\$10, \$25, \$50, \$100)
<ul style="list-style-type: none"> <li>• Name and short message featured on Tech Symposium website</li> </ul>

If donating through cash or check, please indicate your desired sponsorship or donation on the form below:

Contact Information
Donor Name:
Contact Name:
Email:
Phone Number:

SWIFT Sponsorship			
Amount:			
Total Donation <sup>1</sup> :			
Payment Type:	<input type="checkbox"/>	Cash	<input type="checkbox"/> Check <sup>2</sup>

<sup>1</sup> Charitable donations are processed through Associated Students, Inc. and are eligible for a tax deductible receipt.

<sup>2</sup> Payment must be made to Associated Students, Inc.

## About SWIFT

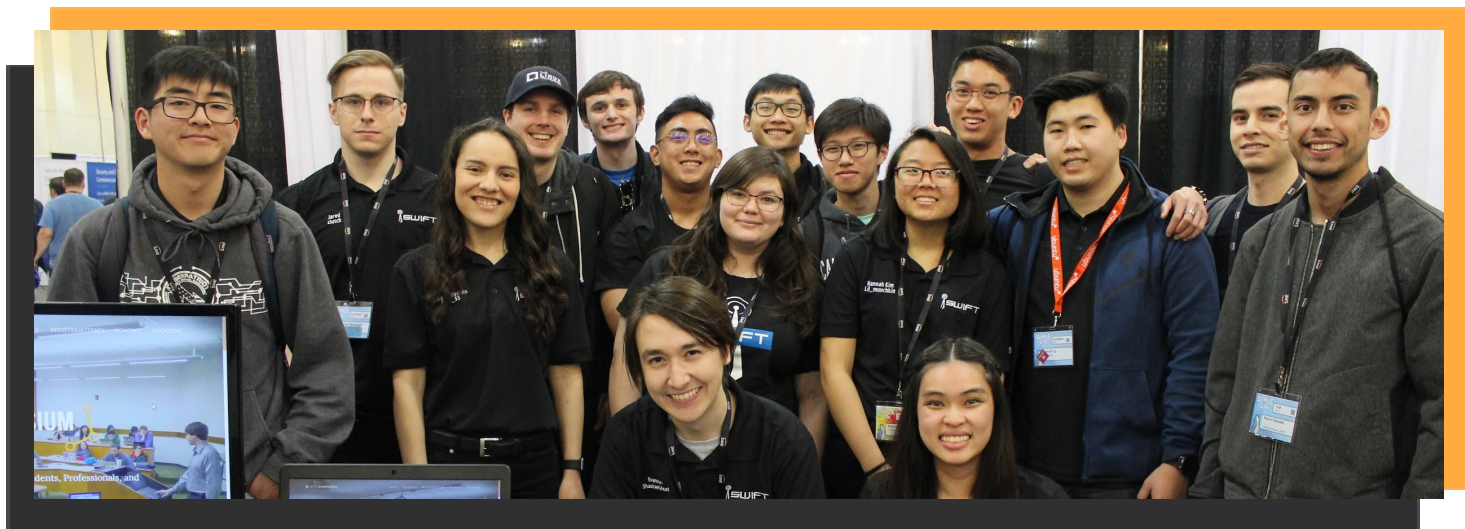
Students with an Interest in the Future of Technology, or SWIFT, is the premier information technology and security organization at Cal Poly Pomona.

Founded in 1990, SWIFT aims to inspire the next generation of students capable of dealing with the dynamic landscape of information security.

By focusing on delivering the practical techniques, resources, and workshops to succeed within the fields of cybersecurity, system administration, and networking, SWIFT endeavors to build secure cybersecurity foundations into its members. SWIFT strives to take learning beyond the classroom and prepare members to venture into their professional careers. Industry professionals working in CrowdStrike, Mandiant, Tesla, and many other companies support SWIFT through mentorship, guest speaking, and guidance that supports student readiness for the workforce.

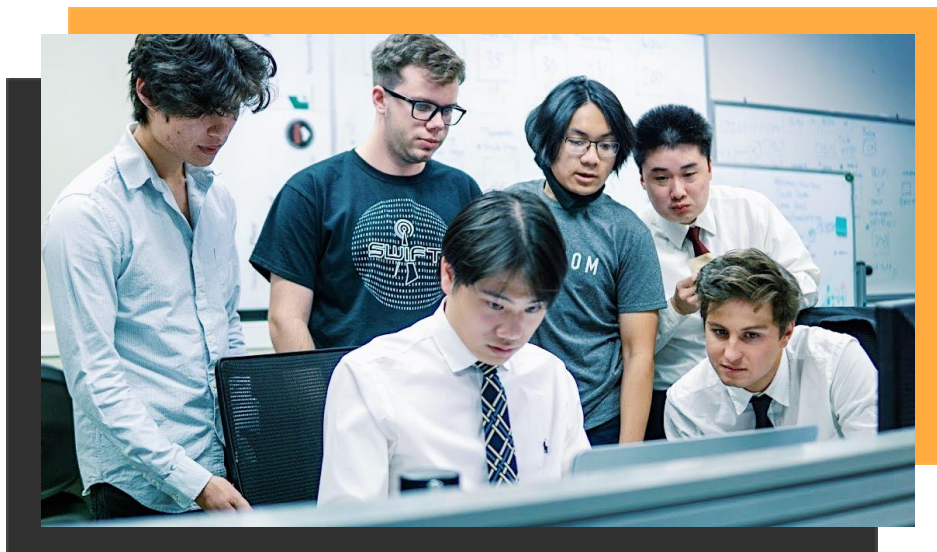
SWIFT runs general meetings and workshops that cover a wide range of topics, including network analysis with Wireshark, introduction to penetration testing, as well as containerization with Docker. Workshops help to support students gain the necessary skills and confidence to prepare for a career, and allows for exposure to tasks and projects directly influenced by growing trends in the cyber world.

In addition, SWIFT runs a fully student-operated telecommunications laboratory, consisting of multiple hardware hypervisors, switches, routers, as well as network-attached storage solutions. This lab is used to host infrastructure for club workshop activities, as well as provide a training lab for Cal Poly Pomona's Collegiate Cyber Defense Competition (CCDC) and Collegiate Penetration Testing Competition (CPTC) teams. Students greatly benefit by not only using the computing resources provided by the lab, but also by managing and administering lab equipment and networking infrastructure, utilizing the full benefits of Cal Poly Pomona's "Learn by Doing" approach.





## Competitions



### Collegiate Cyber Defense Competition

Collegiate Cyber Defense Competition (CCDC) is a long-running competition that brings together students from universities all over the United States. The competition places 8 students into the position of a company's IT team and tasks them with maintaining critical services against an active red team. Students are exposed to a large variety of operating systems, applications, and services, giving them the valuable experience of learning to defend new technologies in a fast-paced environment.

Cal Poly Pomona SWIFT has had an active and competitive team ever since CCDC's inception. SWIFT members consistently placed within the top 5 schools of the Western Regional CCDC and even went on to achieve first place in 2016, competing at the national finals at the University of Texas along with some of the most prestigious universities in the United States.

### Collegiate Penetration Testing Competition

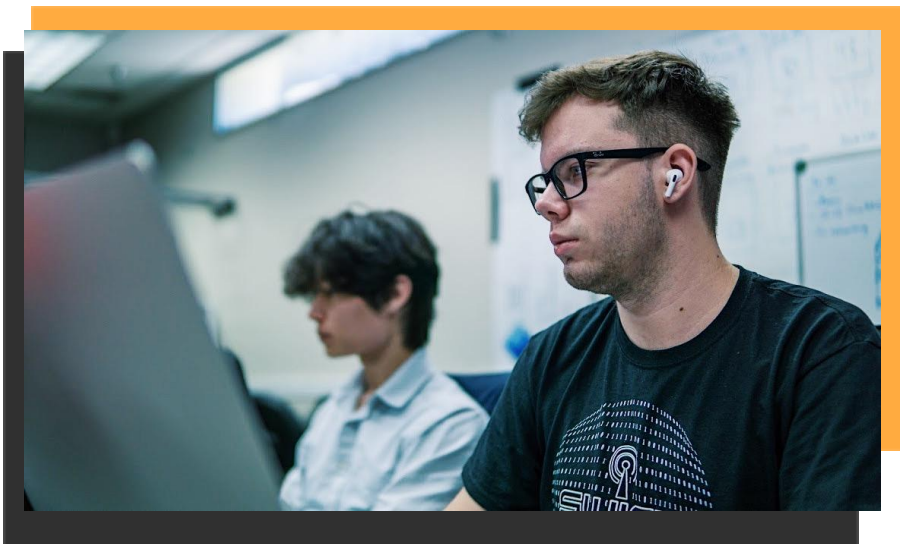
Collegiate Penetration Testing Competition (CPTC) is an annual global contest that brings university teams from the United States, Canada, Europe and the Middle East to perform a professional security assessment of a fictitious company. Teams of 6 students act as consultants and perform penetration testing on a realistic network, presenting their findings to a board of directors, and provide a professional written report.

SWIFT members have seen incredible success in CPTC and run one of the most well-respected teams in the competition. Placing first regionally and globally in 2022, the Cal Poly Pomona CPTC team beat out elite universities, such as Stanford and Carnegie Mellon. Prior to the 2022 CPTC season, Cal Poly Pomona placed within the top 3 teams globally for 3 years.

## Red vs. Blue

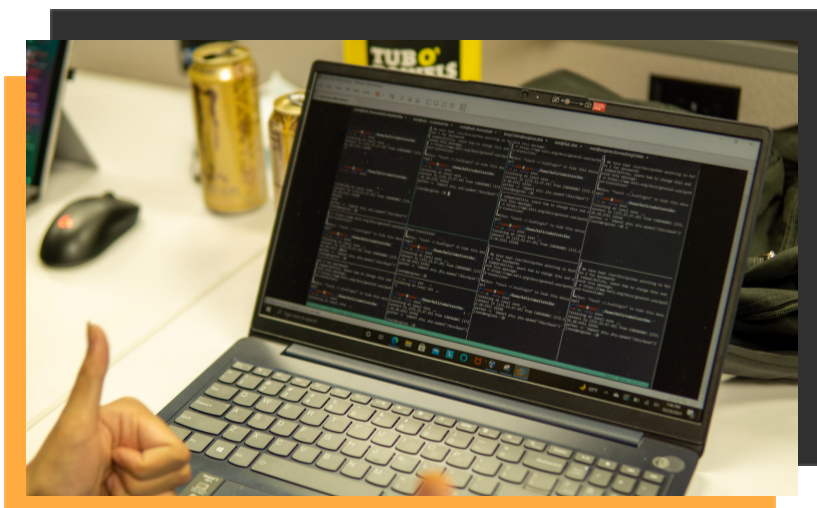
### About the Competition

Red vs. Blue (RvB) is a SWIFT-run competition that enables its teams competing in CCDC and CPTC to share the technical knowledge that they've gained with other students. RvB is modeled after CCDC, placing a team of 4 students into a vulnerable network they have to protect. SWIFT board and alumni act as an adversary, trying to compromise the network, giving students a unique experience of troubleshooting and incident response in an active breach scenario.



### Learning Outcomes

Red vs. Blue brings the vast competition expertise of SWIFT to the entire student community, truly embodying the “Learn by Doing” mentality of Cal Poly Pomona. The competition is designed to be an opportunity for students to experience a security incident with a unique scenario—such as a ransomware attack—teaching valuable skills unobtainable in a classroom. By making hands-on labs accessible to everyone, Red vs. Blue bridges the skill gap between students entering into cybersecurity and those who already have experience in it.



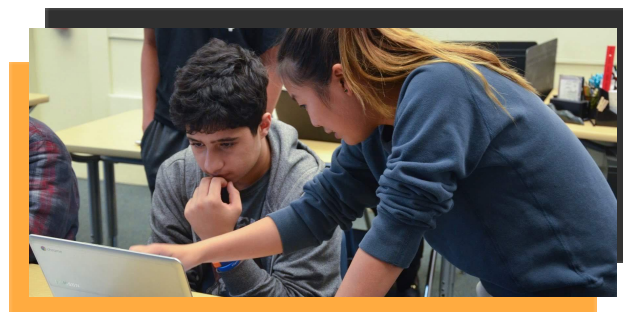
### Giving Back To the Community

Red vs. Blue originated from a partnership between Cal Poly Pomona SWIFT and Troy High School. The original aim of the competition was to train high-school and middle-school students competing in CyberPatriot. This event has since expanded to involve other student bodies, such as Del Norte High School, with plans to further extend support to young competitors.

## Diversity

### Inclusion and Equity

Students With an Interest in the Future of Technology originates from a wide range of backgrounds, and it is SWIFT's mission to enable them to learn and reach their full potential. Our members and board are our impact – we strive to build a welcoming and inclusive community of students that share a passion for technology, aiming to ignite long-lasting professional and academic relationships.



#### “SWIFT Helped Me Gain The Confidence to Succeed.”

“I learned that cybersecurity is heavily male dominated. Quite frankly, I was afraid to look into a career in cybersecurity and did not feel I was capable of learning. With the supportive community from SWIFT, these topics are not as intimidating as they used to be. I have contributed to the policy and compliance for PCI DSS, ISO 9001, and ISO 1400 in a previous internship on the Cybersecurity Team at Tillster. SWIFT helped me gain the confidence to succeed.”

- Marisa Nakanishi, CIS Business Intelligence, Class of 2023

### Alumni Connections

SWIFT has over 3 decades of history, and its alumni network is a central factor to its influence. Over its history, SWIFT alumni have found success in information technology and cybersecurity at leading organizations worldwide. Companies at the forefront of their industries, such as **Tesla**, **CrowdStrike**, and **Mandiant** seek out students from SWIFT because of the unique experiences and perspectives they bring to the workplace.



**MANDIANT**

**TEVORA**



**CROWDSTRIKE**



**ANDURIL**



**LOCKHEED MARTIN**



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## Campus Presence

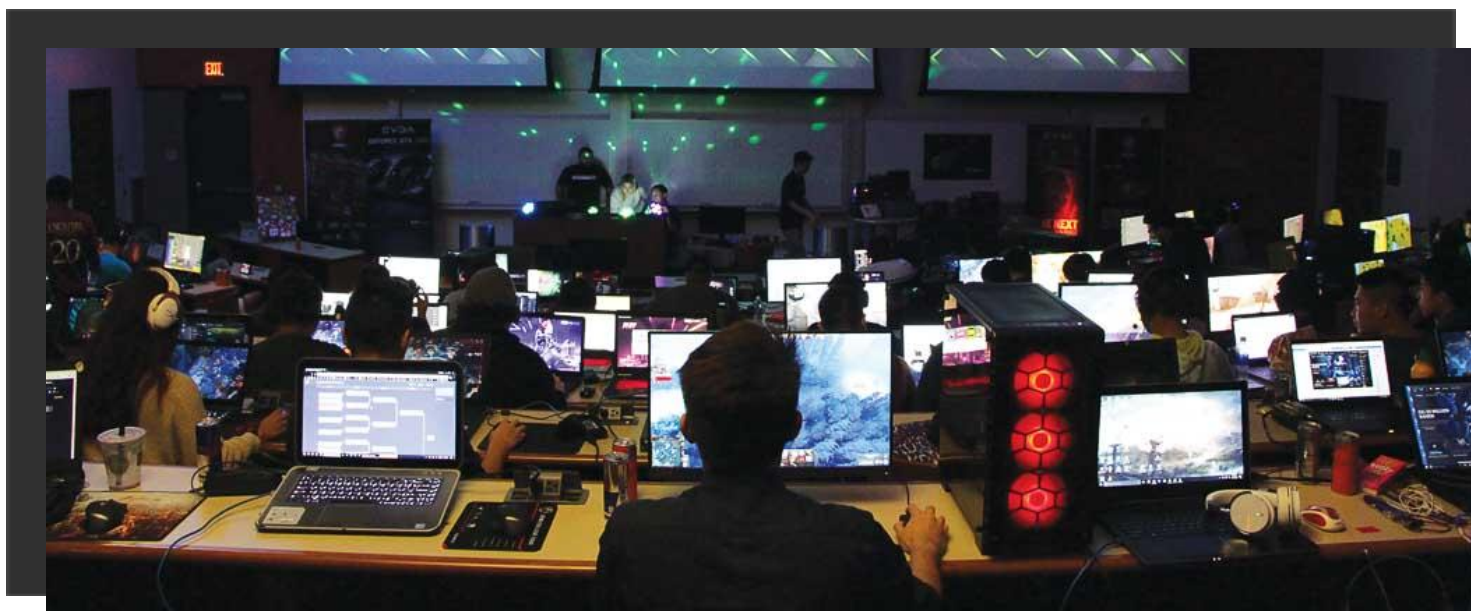
### Spreading Awareness

SWIFT is dedicated to sharing knowledge with the Cal Poly Pomona community and presents annually at the **Cybersecurity Awareness Fair**. Past SWIFT presentations covered topics such as Penetration Testing, Phishing, Open-Source Intelligence and Hardware Hacking. SWIFT's presentations help introduce a range of college, high school, and middle school students to essential cybersecurity topics.



### Supporting Student Organizations

Taking full advantage of its infrastructure, SWIFT is able to help run a variety of events held by clubs all across Cal Poly Pomona. The **Maximizing Engineering Potential** (MEP) organization holds an annual competition revolving around recreating campus architecture in Minecraft, entrusting SWIFT to manage resources necessary to allow the competition to run optimally and securely. Additionally, SWIFT puts its extensive inventory of networking devices to use with **FragFest**, a biannual gaming event held by the Bronco Esports club. SWIFT makes FragFest possible by connecting hundreds of students together under a single network through many hours of hardware and software configuration.

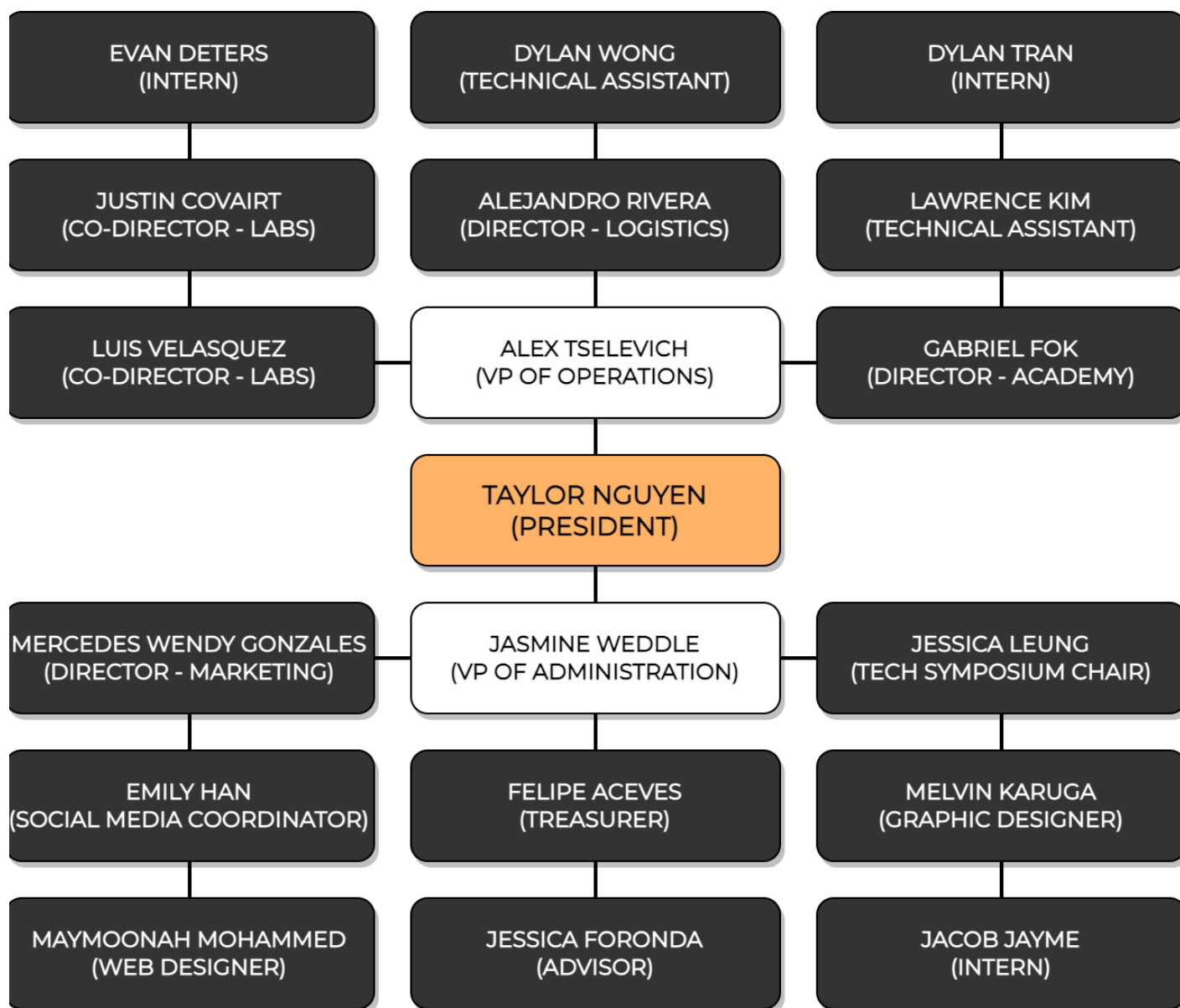




## Executive Board Leadership

SWIFT is led by its Executive Board, which is publicly elected every academic year. We provide students with an opportunity to run for leadership positions, making SWIFT fully student-operated.

The board is organized by its responsibilities into the Operations and Administration team. Each team is headed by a Vice President, with a President driving the organizational strategy.



*Executive Leadership 2021-2022 Academic Year*

## SWIFT Member Testimonials

**Jacob Jayme**

***"SWIFT is the best Cybersecurity club at Cal Poly Pomona!"***

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"As a regular member, I attended their weekly meetings and found myself impressed every time. SWIFT's presentations on technical topics are of the highest quality. Their presenters are passionate and love what they do, making the learning engaging. I also found the community at SWIFT to be quite comfortable and it allowed for lots of self-discovery and growth for not only me but everyone else in the club. I've made a lot of the friends I have today at SWIFT and I hope everyone can experience this amazing club!"

- Jacob Jayme, CIS Information Security, Class of 2025

**Luis Velasquez**

***"SWIFT – More than a club. An opportunity."***

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"Without my involvement in Students With an Interest in the Future of Technology I can guarantee with absolute certainty, I would never have been able to answer interview questions. My time as an E-Board member of the student run organization has accelerated my cybersecurity knowledge through a variety of ways such as leading weekly presentations, generating cybersecurity based workshops, and generally fostering a community of individuals with a passion for the industry."

- Luis Velasquez, CIS Information Security, Class of 2022

**Robinson Tran**

***"SWIFT paved the path to cybersecurity for me."***

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"Joining SWIFT has completely changed my career trajectory. I went from being a CIS student to landing a cybersecurity internship, becoming Director of SWIFT Labs, and being an accomplished penetration tester all within a year and a half. The most important part of my time at SWIFT is seeing the hard work build up to something greater. Being a penetration tester has been something I've been working towards since February, and this past November, I represented Cal Poly Pomona at the Collegiate Penetration Testing Competition and won first place globally."

- Robinson Tran, CIS Information Security, Class of 2021

## Contact

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Jessica Leung, SWIFT Conference Chair: [jleung@calpolyswift.org](mailto:jleung@calpolyswift.org)

Jasmine Weddle, SWIFT VP of Administration: [jweddle@calpolyswift.org](mailto:jweddle@calpolyswift.org)

Ronald Pike, SWIFT Advisor: [rpik@cpp.edu](mailto:rpik@cpp.edu)



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