KEVIN TOREN

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Education

BRANHAM HIGH SCHOOL **SAN JOSE, CA**

High School Diploma, 4.45 GPA *AUGUST 2021 - JUNE 2025*

- **Selected Coursework:** AP Computer Science Principles, AP Computer Science A, AP Calculus BC

Experience

MAGIKID ROBOTICS LAB **SAN JOSE, CA**

ROBOTICS COACH & STEM INSTRUCTOR *JUNE 2023 - PRESENT*

- Managing the building, programming, and documentation of two globally-qualified Vex IQ middle school teams
- Increasing student enrollment by teaching trial classes, resulting in the creation of two new class sessions
- Developed documentation templates based on official rubrics, enabling coached teams to win multiple judged awards
- Teaching programming and robotics courses to children ages 6-12 that consistently score above other student sections
- Cultivating positive relationships with parents by creating multimedia showcases of student achievements and writing personalized class summaries, leading to consistent student re-enrollment

Organizations

BLU'S HACKS **SAN JOSE, CA**

CO-DIRECTOR *AUGUST 2022 - PRESENT*

- Researched and categorized over 100 potential hackathon sponsors
- Led a team of CS students to create cybersecurity CTF challenges based on web-exploitation, cryptography, and OSINT
- Hosted a CTF challenge for 100+ participants using the CTFd platform on a custom domain with zero downtime
- Contacted 20+ cybersecurity companies, leading to $1.5k in funding and multiple requests to support the CTF challenge

BRANHAM CYBERSECURITY CLUB **SAN JOSE, CA**

CLUB FOUNDER & PRESIDENT *JANUARY 2023 - PRESENT*

- Facilitated club growth of 30 members in one semester through club rush events, class presentations, and mass-emailing
- Created a series of live demonstrations showcasing real usage of Kali Linux tools using "victim" and "attacker" VMs
- Established teams for PicoCTF 2023 and CyberPatriot XVI, placing in top 2% and Platinum Semifinals, respectively

BIONIC BRUINS: BRANHAM ROBOTICS CLUB **SAN JOSE, CA**

DIRECTOR OF OUTREACH *MAY 2023 - PRESENT*

- Secured club appearances at local elementary schools through existing contacts and cold emails
- Established and managed a team of ten club members to create and present educational activities at outreach events

Projects

4x4x4 LED Cube | github.com/seadeef/LEDCube | youtu.be/voMU-fiMV6s

- Soldered and assembled 64 individual LEDs into a standalone and portable cube
- Created a multiplexing scheme using transistors to decrease the amount of needed Raspberry-Pi GPIO pins from 64 to 16
- Developed eight eye-catching animation routines based on a common physical interface using the RPi.GPIO library

6374B Competition Robot | github.com/BionicBruins6374/b-team-robot

- Created controls for a VEX VRC 2022 Spin Up robot in order to comply with physical constraints and driver preference
- Automatically detected colored game objects using a Vex V5 vision sensor, enabling consistent autonomous performance
- Developed contributing guidelines and educated club members on C++ and ProsV5 API, leading to accelerated progress

Awards & Honors

VEX Worlds Competition Arts Division Inspire Award **DALLAS, TX**

Issued by REC Education Foundation *MARCH 2023*

National Cyber Scholarship Finalist

Issued by National Cyber Scholarship Foundation *JUNE 2022*