Computer Science and Engineering Club

Providing hands-on learning opportunities, building a strong professional network, and having fun while exploring our field!

About the Club

- Club Advisor: Dr. Haiyan Qiao
- Website: cse-csusb.org
- Email: cse.csusb@gmail.com
- Tutoring Room: JB 357
- General Meetings: Thu 3:30 - 4:00pm (every other week)
- Workshops: 4 - 5pm (every other week)

- Membership Dues: $10 per quarter/$30 per year

Officers

- **President** - Sean R Hamilton
- **Vice President** - Juan Nevares
- **Secretary** - Carlos Zepeda
- **Treasurer** - Mark Ortiz
- **Information Officer** - Josh Marsden
- **Events Coordinator** - Arusyak Hovhannesyan
- **Webmaster** - Ruben Castaneda

Announcements

- Upcoming Events
- Professional Organizations
- T-Shirt Contest
- Projects
- WRCCDC
- git workshop

Events: CSUSB Open House

Inspire prospective students to
pursue CSE at CSUSB

Saturday Oct. 15. 12:30 - 1:30pm

Events: Group Problem Solving

Group Algorithm and Interview
Question Solving

Led by: Miguel Saldivar - TBD

Events: Bitcoin and Blockchain

Learn what Bitcoin is, how it works, and how it's being applied.

Presented by: Justin Andrew Camarena

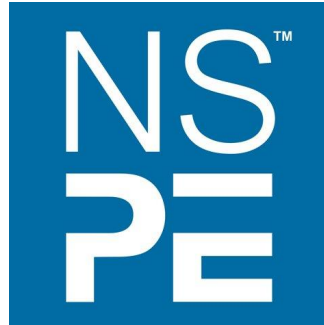Thursday, Oct. 27, 4pm in JB 358

Events: Minecraft Server

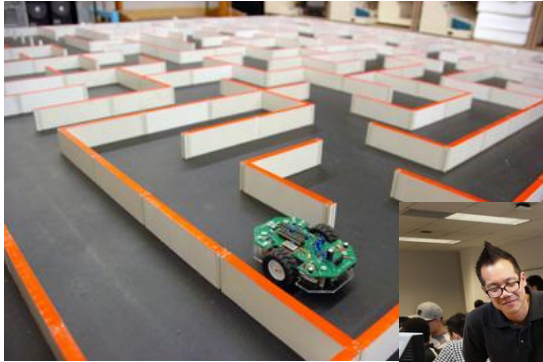# Professional Organizations

Professional Organizations: IEEE

www.ieee.org
$32/yr

IEEEXTREME PROGRAMMING COMPETITION
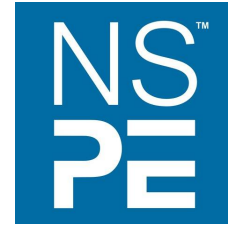
ieee spectrum

Professional Organizations:

Association for Computing Machinery

www.acm.org
$19/yr

Distinguished Speakers Program
talks by and with technology leaders and innovators

Professional Organizations:

www.nspe.org
free*

T-Shirt Design Competition

Winner receives full year of membership and shirt printed with their design!

Winner is decided by majority vote of the active members!
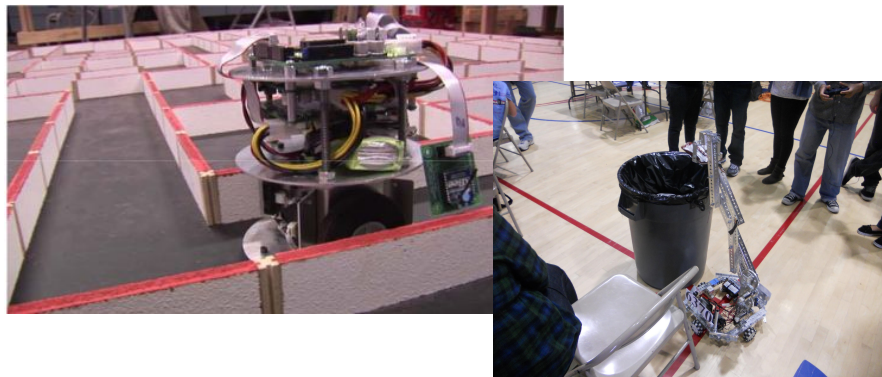
Rules:

- Must use the CSE Logo
- Can use up to two colors (excluding shirt color)
- Email entry to events.cse.csusb@gmail.com
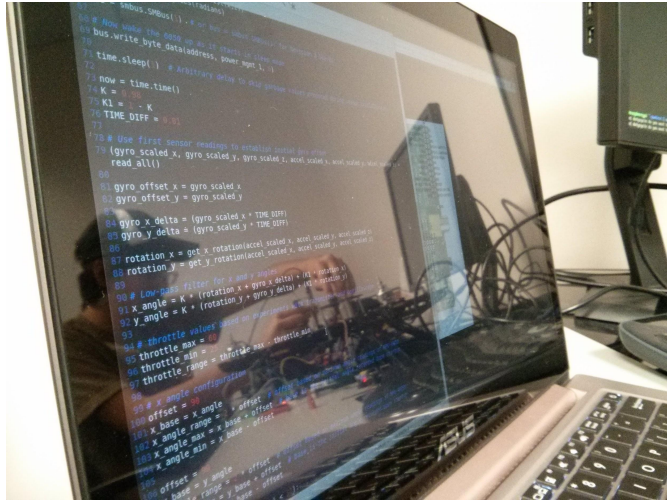
Deadline: Saturday, Nov. 12, 2016 @ 11:59pm

Projects

- Resume Builder
- Hands-On Experience
- Apply Class Concepts
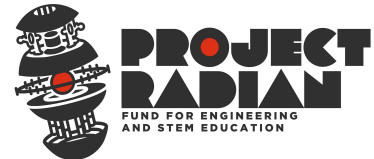- Learn New Technologies
- Develop Team Skills
- Recognition

- **Requirements**:
- Bring an enthusiastic and open mindset
- Be willing to commit 3-5 hours per week to the project
- Let your team leader know if your situation changes and you can't commit time.
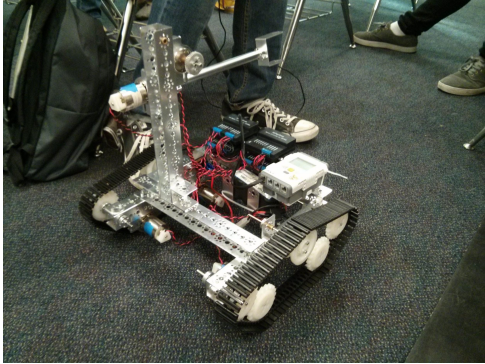- Assertively ask questions and provide feedback

Projects: Skyote (Quadcopter)

- **Goal**: Produce an autonomous flying vehicle featuring visual object recognition.
- **Leader**: Sean R Hamilton - sean.hamilton.cse@gmail.com
- **Time**: Fridays, 9am - 10:50am
- **Place**: PL-1003 (Innovation Lab)
- **Technologies**: python, c++, raspberry pi, arduino, IMU, computer vision
- **Additional Requirements**:
  - IEEE Member

Projects: Sumo/Soccer Bots


```
//left motor control
if(abs(joystick.joy1_y1) < THRESHOLD) {
    motor[left] = 0;
} else {
    motor[left] = joystick.joy1_y1;
}
```
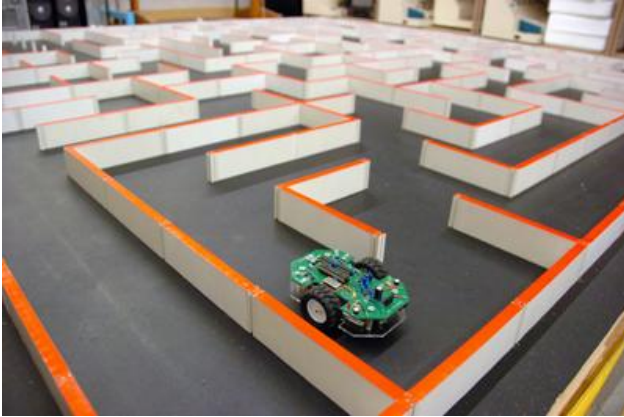
- **Goal**: Produce custom remote-controlled robots able to play simplified games of soccer and sumo wrestling.
- **Leader**: Carlos Zepeda - secretary.cse.csusb@gmail.com
- **Time**: Fridays, 2pm
- **Place**: PL-1003 (Innovation Lab)
- **Technologies**: arduino, c++, 3D modeling/printing, bluetooth, material fabrication
- **Additional Requirements**
  - -

Projects: Micromouse Competition

- **Goal**: Produce a robot that can autonomously navigate a maze as quickly as possible.
- **Leader**: Sean R Hamilton - sean.hamilton.cse@gmail.com
- **Time**: Fridays, 11am - 1pm
- **Place**: JB 357
- **Technologies**: microcontroller, sensors, 3D modeling/printing
- **Additional Requirements**
  - -

InfoSec: WRCCDC

http://www.wrccdc.org/

Leader: Bradford Harris - vice-president@infosec-csusb.org

Meetings: Fridays, 4:30pm. JB 122 (InfoSec Lab)

- Linux Administration
- Windows Administration
- Database Management
- Application Programming
- Much More!

"git gud"

git workshop