ASSOCIATION FOR COMPUTING MACHINERY

INTRODUCTION TO WEB DEVELOPMENT

OVERVIEW & GETTING STARTED!

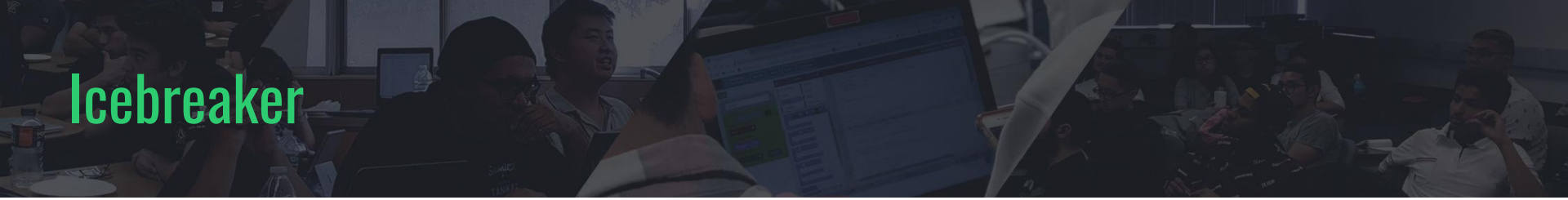
Download Links and Create Accounts

Download:

- Virtual Studio Code: (**https://code.visualstudio.com/download**)
- Github Desktop: (**https://desktop.github.com**)

Create Accounts For:

- Discord: (**https://discordapp.com**)
  - Use your real name as your nickname
  - Join ACM's Server: (**https://discord.io/csula**)
- Github: (**https://github.com/join**)

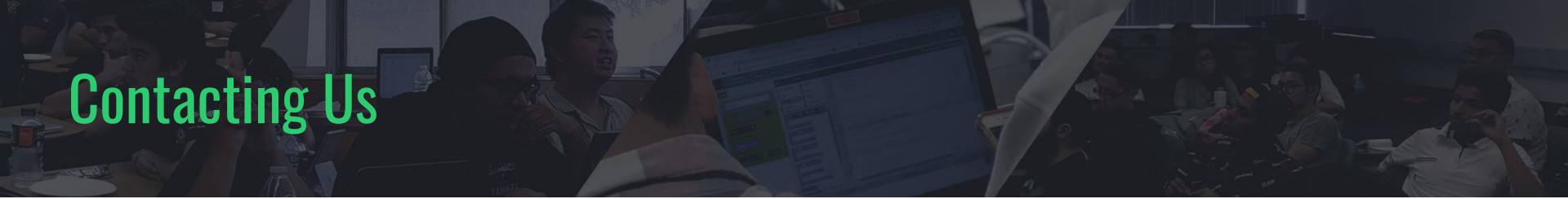


Icebreaker

- If you catch the ball, say your:
  - Name
  - Class Standing (Freshman, etc.)
  - Major (if it is not Computer Science)
  - One interesting fact about yourself
  - What do you expect to get from the project?

Agenda

- How to Contact Us
- Project Overview
- About the Languages
- Visual Studio Code Installation
- Inspect Element
- Announcements



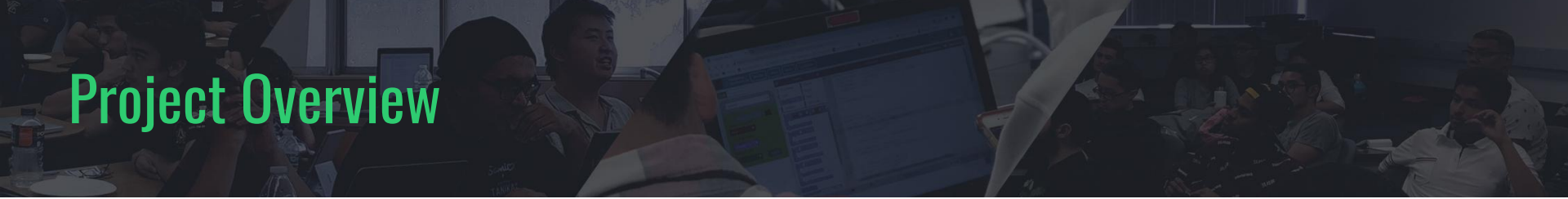
Contacting Us

Discord Link: **(https://discord.io/csula)**

- Use Discord to:
  - Access all project download links and codes
  - Access to all the powerpoints
  - Receive important reminders and notifications

Email Address: **(acm.beginners.project@gmail.com)**

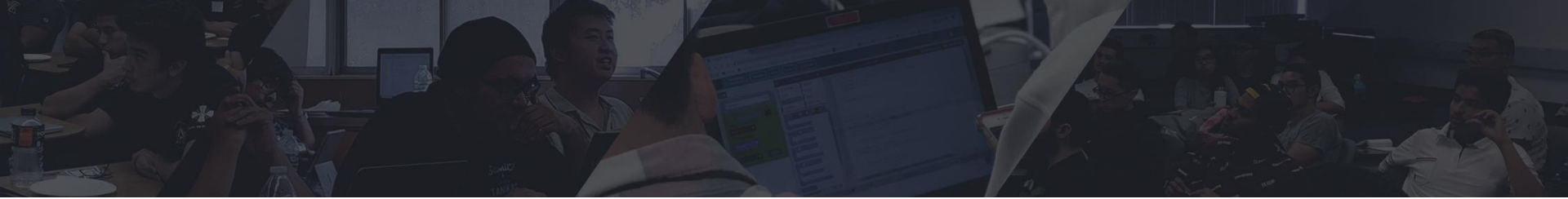
- Emails
  - For questions use:
    - Subject (**FirstName_LastName_Tuesday**)



Project Overview

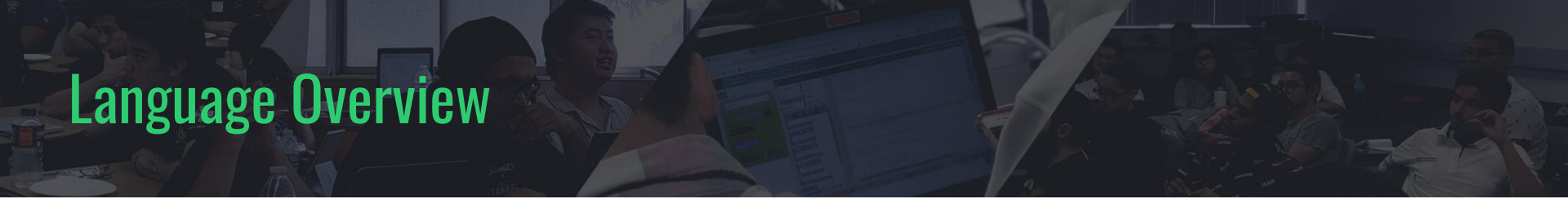
- Everyone gets to **create their own personal website**.
  - Each week, we will be giving out **new ways to improve** their website.
  - Code along lectures on how to use **HTML, CSS, Bootstrap, Javascript** and etc.
- **What will your website have?**
  - **About Me** page, **Resume** page & **Portfolio** page. (Optional: Contact)
- **Prizes** - Students with the best designs will receive:
  - First place: $40
  - Second Place: $30
  - Third Place: $20

All this project requires is Creativity!



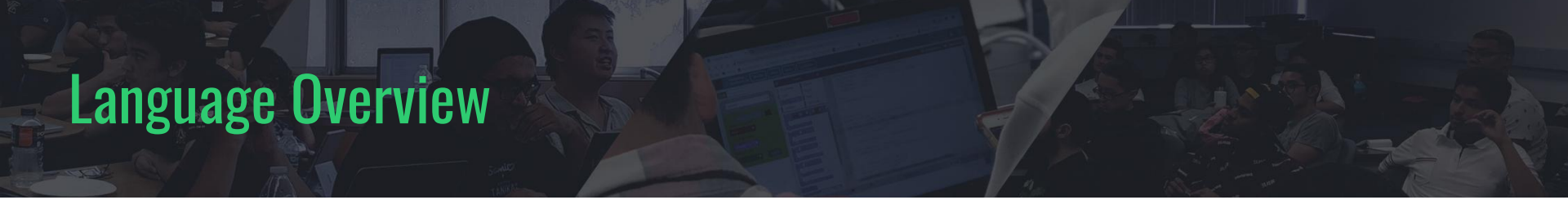
Anyone know what HTML stands for?

Anyone know what CSS stands for?



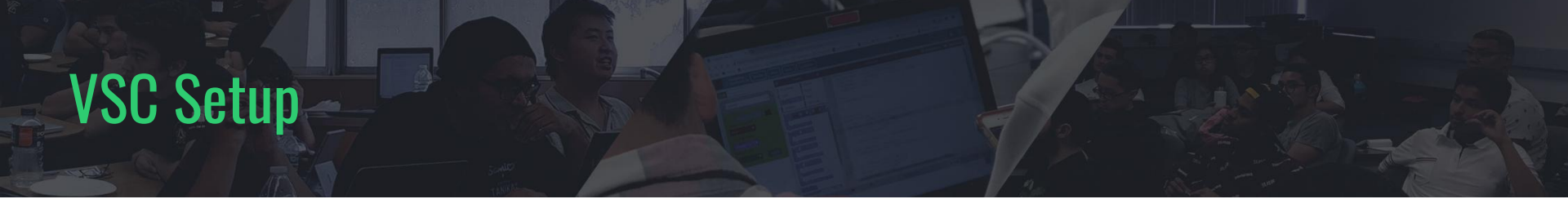
Language Overview

- This project will cover the basics of web development such as:
  - **HTML**
    - Stands for “**Hypertext Markup Language**”
    - It is a standard **markup language** for creating web pages and web applications.
    - It is **not a programming language**, it is basically a text editor that uses tags.
  - **CSS**
    - Stands for “**Cascading Style Sheets**”
    - Again, **not a programming language**, it is a style sheet language.
    - Can’t be used independently without HTML.
    - Responsible for the design or style of the website, including the layout, visual effects and background color.



Language Overview

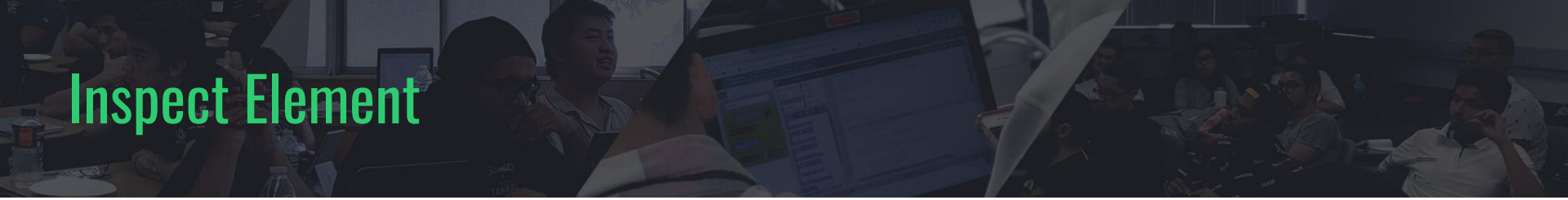
- This project will cover the basics of web development such as:
  - **Javascript**
    - High-level scripting language.
    - Used mainly for web development.
    - We will also try to cover JQuery.
  - **Github**
    - Allows you save to your progress on the internet & collaborate with others.
    - Generates metadata for your project.
  - **Flask (Optional)**
    - Micro-framework
      - Allows you to convert webpages/static into web application.
    - Uses Python as a backend.



VSC Setup

- Download “**Visual Studio Code**”
  - https://code.visualstudio.com/download
  - Download Extensions:
    - **Live Server** by Ritwick Dey
      - Allows website to refresh automatically as you save your progress
    - **HTML/CSS Support** by ecmel
      - Makes HTML and CSS easy to use on Visual Studio Code

- Download “**Github Desktop**”.
  - Sign into your account



Inspect Element

- What is Inspect Element?
  - The best **debugging tool** for web development.
- What does it do?
  - You can **temporarily edit web-pages** however you want.
  - Great way to **plan out your layout** for HTML/CSS.
- Experiment your understanding:
  - Right click anywhere on “google.com” and **press element inspect**.
  - **Your Task:**
    - Replace Google’s logo with a random logo.
    - Replace button’s values.
    - Replace links on top with other website links.

Attendance Policy

- If you miss more than one workshop, YOU WILL BE DROPPED.
- Don't miss more than 15 minutes of a workshop (coming late/leaving early)

Workshops - 4:30 pm - 5:50 pm

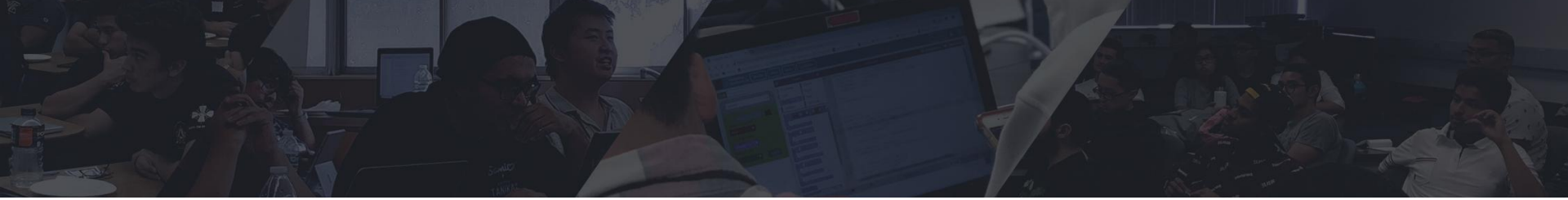
1) Tuesday, February 12 th
2) Tuesday, February 26 th
3) Tuesday, March 12 th
4) Tuesday, March 26 th
5) Tuesday, April 9 th
6) Tuesday, April 23 th

Final Meeting 3:00 pm - 4:20 pm

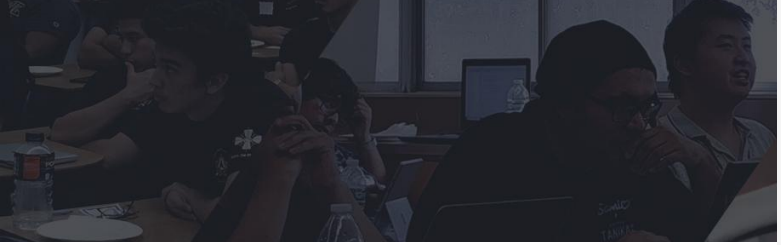
Tuesday, April 30 th

Extra Credit

- If you miss more than one workshop, YOU WILL BE DROPPED + NO EXTRA CREDIT.
- If you miss more than 15 minutes of a workshop (coming late/leaving early), NO STAMP FOR THAT DAY
- Loyalty card will be passed out 2nd meeting



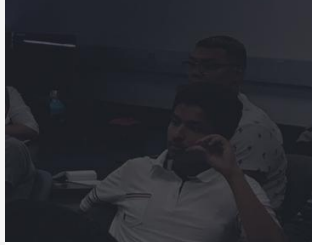
SPRING EVENTS OF 2019

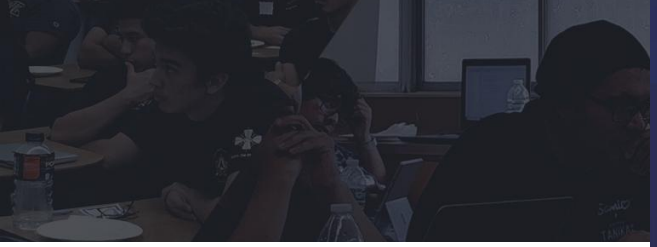


Positions:

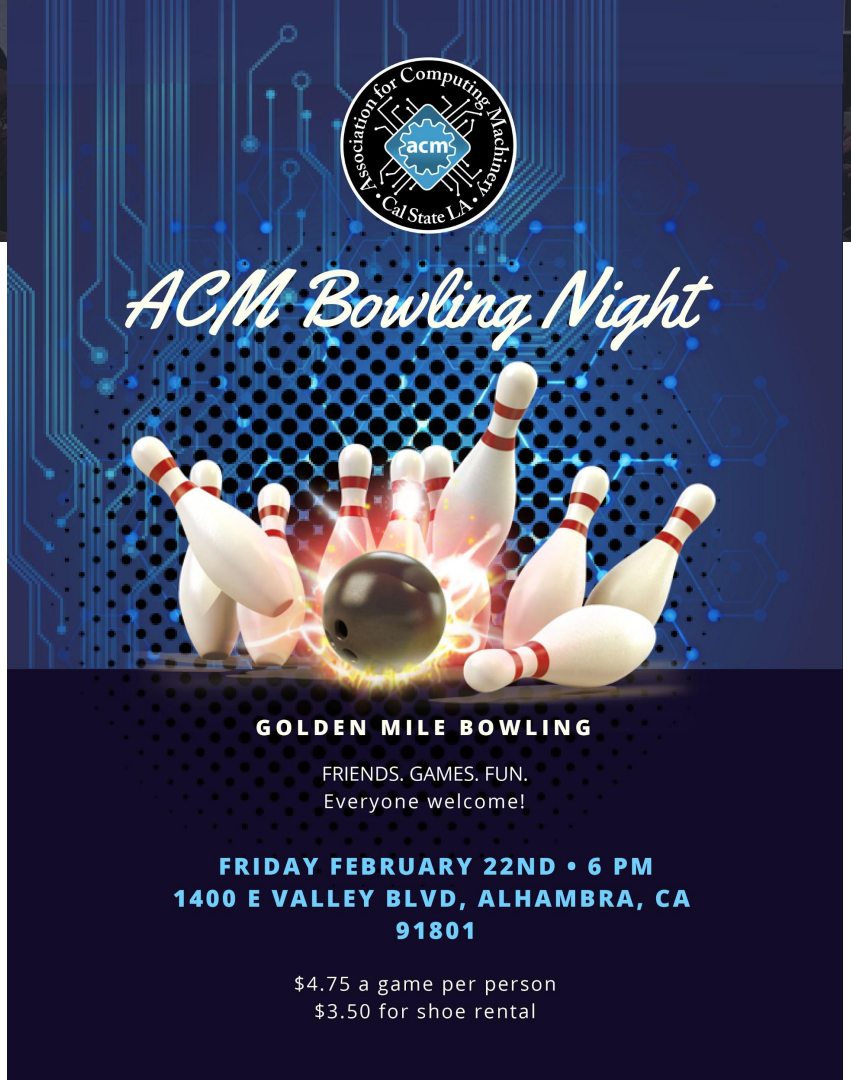
- Secretary
- Vp of Internal Affairs
- Vp of External Affairs
- Webmaster
- Project Manager
- Committee

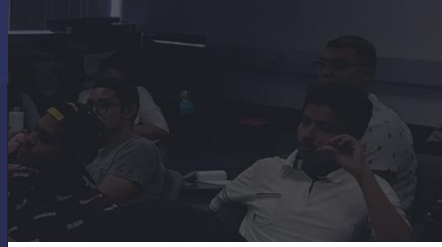
- Open positions if you don't know what to run for (we help you decide)



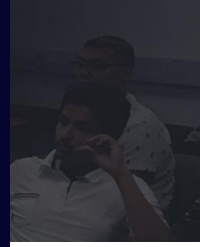


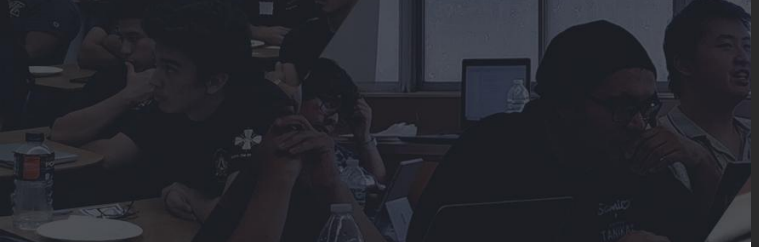
COME AND HAVE FUN WITH THE LEADERS!!





- Announcement on the vouchers will be on **Discord on Friday, February 22nd.**
- Limited **BUY ONE GET ONE FREE** to the first few members.





SUPPORT ACM!!

COMPUTER SCIENCE CLUB

PIZZA & BOBA FUNDRAISER

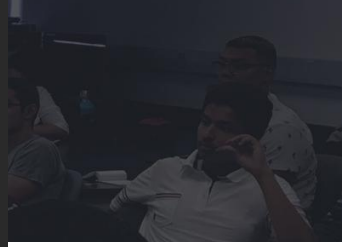
Association for Computing Machinery · acm · Cal State LA

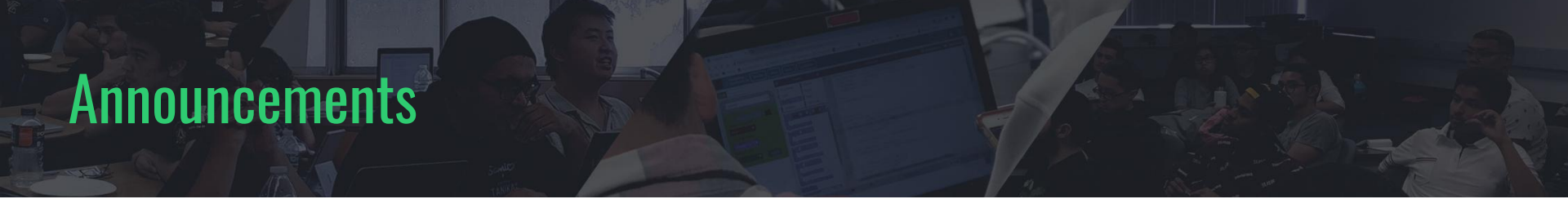
Let's raise some dough! Support ACM Cal State LA by stoping by for boba and a slice of pizza!

WED. FEBRUARY 20TH

11AM - 1PM

WHERE:
ECST
COURTYARD





Announcements

- Next **Tuesday's workshop** is on:
  - Tuesday, **February 26**, 2019 @3:00pm - 4:20pm.

- If you need extra help installing the apps or signing into Discord, go to **Room E&T C245** right after this workshop.

- Make sure to take all your belongings and **throw your trash away**!