



# TheOpClub@SJSU

THE OPPORTUNITIES CLUB

# Externships

- ▶ Externships at SJSU - An alternative to internships in the industry
  - ▶ Projects with the guidance of professionals from the Silicon Valley
  - ▶ Industry sponsored and/or open source projects
- ▶ Members collaborate in small groups to build the projects
- ▶ Few paid externships available

# @SJSU and SCU

- ▶ Takes place in the MLK library and in SJSU
  - ▶ If the Coronavirus Shelter-in-Place is still in effect, then on the net
- ▶ Building an open-source lab at SJSU under the guidance of Prof. Younghee-Park
- ▶ Visits to industry partners

# Summer 2020

- ▶ Summer externships - Project groups meet in MLK
  - ▶ May 25 – Aug 10
  - ▶ Students meet for 8 hours each day during weekdays
  - ▶ Silicon valley mentors prefer weekends to mentor students
  - ▶ Planning to add Santa Clara University TBD
- ▶ Ongoing Projects during academic year - TBD



# Leadership

- ▶ Founded 4 years ago by Karthik Pullela (Sophomore, CSE UCLA),
- ▶ Taj Shaik (2017-2018, Sophomore, CS UCB)
- ▶ Kalyan Pullela (2018-2019, Freshman, CMPE SJSU)

# Projects

- ▶ Supply Chain Management Software for Organic Agricultural Startup (Industry Sponsorship Available)
  - ▶ Full Stack, Android App
- ▶ Reducing error in the Pharmacy (Industry Sponsorship Available)
  - ▶ Hardware/Software
  - ▶ AI Based
- ▶ Open Source Switch/Router for Academic Campus Network
  - ▶ Leverage for SDN Lab at SJSU
  - ▶ Software Defined Networking (SDN)

# Open Source Lab @ SJSU

- ▶ TheOpClub is raising funds to establish the lab working with Prof. Young-hee Park
- ▶ Starting with a focus on SDN
- ▶ Requires managed switches with merchant silicon (ala Tomahawk from Broadcom)
- ▶ Open Source SDKs; SDKLT (Broadcom); SAI (Microsoft)
- ▶ Open Source Network Operating System (SONiC, ONOS)