**APCSP Notes for Alumni Panel**

* Colin
  + Took CSP twice
  + Says you have to keep a positive attitude
* Anthony
  + Went from CSA to CSP
* Andrew
  + Took intro to CS, then CSA
  + Tranfering to UCSD (hopefully)
* Mabel
  + Going to UCSD
  + Took 2 trimesters
* Alicen
  + Going to UCLA for congtivitve science computing
* Dtya
  + Computer Science major
* How did you realize what you wanted to do and how did this class help with that?
  + Look outside your classmates
  + Taking the intro class hooks you/ you like it (2x)
  + Didn’t originally like the class but doing knows it’s important for areospace
  + COGSIN major (psychology+CS); CS gave the technical background for it
  + Always interested in CS from a young age, took it more seriously in middle and high school and APCSP helped with that
* What is the biggest challenge you have faced?
  + Getting started; remember there is a solution on the internet(2x)
  + Clashing egos; CS egos are not the kindest people
  + Theory behind CS; in college it is not structured the same
  + Finding motivation; someone will always be better
  + Temptation to cut corners, not everything is a checkbox for points
  + Starting in a new area of CS
* Are there any project based learning scenarios in college CS classes
  + You do only 2; in your freshman and senior years
  + PBL then tests; split between
  + Not as much in class but you can work in smaller groups
    - Dealing with other people is hard
* Have you applied CS in your major if you are not majoring in CS
  + You can write scripts to automate some stuff and will serve you well (2x)
    - Advanced calculations
    - 3D printing
  + Advanced calculations and math calculations
  + Jupyter notebooks can be used for technical papers
  + Stats majors and psychology need CS
* For existing college students, have you hade a job with a school or professor
  + Be different for references
  + You can be a bus driver
  + Code Ninjas
  + Northrop Grumman; technical drawing revisions visualzing flight data and cybersecurity, scripting for staffing spreadsheat (x3)
  + LG; APIs, internal APIs, html, python
    - APCSA got them the intership
  + Church group
* Did you ever focus on personal projects alongside schoo,
  + Yes, important to get a job, have 2-3
    - Visual projects are great
    - Pathfinding algorithms
    - Graph theory
* How do you use CS in mechanical engineering
  + Isolate and cut out extra text thats attached to models
  + Manipulation of commands
* Did you do any Del Norte Computer science clubs
  + Robotics
* Tips to get into a internship
  + Companys will higher in september or november the year before
  + Projects and clubs; there are a lot of people in stem
  + Referals are very helpful
* What prior experience do code ninjas need
  + Good with kids