My Takeaway:

AP Computer Science is such an important class that can and will be seen in everyday life. I like how Collin was able to go into detail about how mechanical engineering and how his background with computer science helps him ease the load and stress of school. I think that my biggest takeaway from this meeting is that APCSP is an important class and I have gained such a greater appreciation for what I am, and what I will learn in this class.

Insights: I have learned that internships are very important in gaining connections and APCSP is helpful for the rest of your life. I have learned from these past students and experiences that they greatly value their time in Mr.Mortensen’s class and I look forward to learning more.

Background

* + Collin: UCSD majoring in mechanical engineering
  + Anthony Vo: Uc Irvine major in computer science.
  + Andrew: Mira Costa, transferring to a uc school.
  + Maybel: UCSD and swapping to cognitive science machine learning.
  + Allison: UCLA majoring in cognitive science and needs coding in her major.
  + Nitiya: UCSD computer science major.

How they realized their major:

* + Collin knew that he was good at coding and that's why he chose his major, mechanical engineering.
  + Anthony liked problem solving and knew how to code for years and this is why he chose to major in computer science.
  + Andrew liked the challenges seen in csa and csp
  + Maybel did not like CSP much but knew that it was important for the future.
  + Many majors require the knowledge of computing and coding.
  + Allison was more of an artsy person but is now majoring in computer science, and wants to go into web design.
  + CSP gave people the technical background that they needed.
  + Nitiya has always liked making her own games and started to learn how to code in high school.

Biggest challenge in CS:

* + The start is difficult at first and sometimes challenging.
  + Clashing egos and people thinking that they know more than another person.
  + Important to focus on your own path and not anyone else's.
  + Learning theory and how things are set up and it kind of lets you see how things work.
  + Important to have a project and a purpose in what you are doing.
  + Temptation to just go the easy route and this is not good as you do not really learn and you might need that knowledge later on.
  + Getting started is very difficult overall and hard to learn about the basics especially if you don't have a background in it.

Any PBL scenarios in college

* + There are and it is helpful to have APCSP so that it can help you in the future.
  + PBL is present depending on the major you have.
  + Studying in groups is very common in large class sizes.
  + Managing groups is common and is a form of PBL that will be present.
  + PBL can make your studying more efficient and it can help you learn and practice for the real world.

Application of CS in their major

* + Copy and pasting and converting data types and this helps make classes more efficient thanks to CSP.
  + Debugging is also common in every major
  + Knowing how to coe will help you
  + Many different applications for computer science.
  + Computer science can help in higher math and education.
  + Computer Science can help you in every day tasks

Working as a tutor and professor

* + Important to put a resume together.
  + You want to stand out from everyone else.
  + Robotics coach of Maybel also teaches at UCSD
  + Interacting with the professor is helpful.
  + Teaching assistants are very common and helpful.
  + Working at code ninjas
  + Internship at LG
  + Internship with a church group, not as technical but was able to incorporate graphic design.

Other info

* + Personal projects and school projects need a balance and both are important.
  + Visual projects are great and helpful when applying for jobs.
  + Mechanical Engineering
  + Stem majors all have Computer Science
  + Have a resume by early september.
  + Proof of former employment
  + Smaller companies take high schoolers
  + Build a network with others.