

Advisory Committee Agenda June 2023

› CS Department Industry Advisory Board

› 2 June 2023

› Goal of Meeting

- Obtain advice on emerging techniques in software development.
- Obtain advice on changes in workforce in technology and how it can impact students
- Learn about observations in use of the Web, Cloud Computing, AI, and Virtual Reality (VR) / Extended Reality (XR).

› Industry Board Members

- Ramin Akhbari, Software Architect at Salesforce
- Chris Balz, Director for Engineering at Kargo
- Jay Borentsein, Lecturer at Stanford University's Department of Computer Science
- Peter Kellner, Author at Silicon Valley Code Camp
- Rabun Kosar, Tech Lead in Observability Team in Doordash
- Angie Krackeler, Program Director at IBM
- Mikel Mcdaniel, Software Engineer at OfferUp
- Cindi Thompson, CEO of Climate Companion LLC
- John Thomas, Senior Director of Engineering at Google Cloud

› Attendees

› Industry advisors:

- Ramin Akhbari, Software Architect at Salesforce
- Peter Kellner, Author at Silicon Valley Code Camp
- Rabun Kosar, Tech Lead in Observability Team in Doordash
- Mikel Mcdaniel, Software Engineer at OfferUp
- Cindi Thompson, CEO of Climate Companion LLC
- John Thomas, Senior Director of Engineering at Google Cloud (tentative)

› Foothill Representatives:

- Zach Cembellin, Dean of STEM Division
- Sharon Garcia-Vega, Administrative Assistant in STEM Division
- Sophia Kim, Director of Science Learning Institute (SLI)

- Lane Johnson, Computer Science Faculty
- Bitia Mazloom, Computer Science Faculty
- Allison Meezan, Geography GIS Faculty
- Mike Murphy, Computer Science Faculty
- Teresa Ong, Associate Vice President, Workforce and Career Technical Education (CTE)
- Eric Reed, Computer Science Faculty
- Ram Subramaniam, Acting Associate Vice President of Instruction
- Anand Venkataraman, Computer Science Faculty
- Baba Kofi Weusijana, Computer Science Faculty

› Suggested Readings

- [CS Course Cataloge] (https://catalog.foothill.edu/courses-az/c_s/)
- [Pathways for students in CS] (<https://foothill.programmapper.com/academics/interest-clusters/1caa9223-79ad-4e43-817c-6d06e629a41f/programs/bb52a79d-eb17-2511-0a3c-ed0c7a4b27f2>)

› Agenda

› 1. Introductions

(10 minutes) See Attendees above.

› 2. Emerging topics in software development.

(30 minutes)

- For example, should RUST be included in the curriculum?
- Is there a topic that is not in the curriculum that our students should be familiar with?

› 3. Obtain advice on Impact of AI in the community.

(30 minutes)

- What skills do students need that are relevant to AI? For example, what topics can we teach in a programming classroom?
- How does Natural Language Processing (NLP) impact products?
- What are legitimate uses of Chatbots and Autocode?

› 4. Observations in use of:

(10 minutes)

- How have you observed the following topics be used in your industry?
- What do we need to do for our students in the topics below?
- Web 3.0
- Virtual Reality (VR) / Extended Reality (XR)
- Cloud Computing
- Any others that we have not listed here?

5. Changes in workforce how it can impact students.

(10 minutes)

- What recommendations do you have for our students to stay competitive once they have found employment?