

CSE 340

Winter Quarter 2020

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Week 6 Lecture 2

3D Printing + Physical Computing

Notes

- 3D printed car → carbon-fiber-based material + mix of other materials
- fabrication technologies are not as fast, reliable, or cheap as traditional printing, 3D printing material range is limited
- not food-safe, filament has micro-chasms → bacterial growth
- do not 3D print for food handling, safety critical tools, high heat tolerance

Printing Steps



Research Goal: improve 3D printing to help users make useful objects more easily.

- Phone touch = human finger/capacitor connected to circuit to activate something

Conclusion: physical computing gives us new ways to interact, sense information, combine and modify devices.