P4→NetFPGA: Experiences with CS344 at Stanford
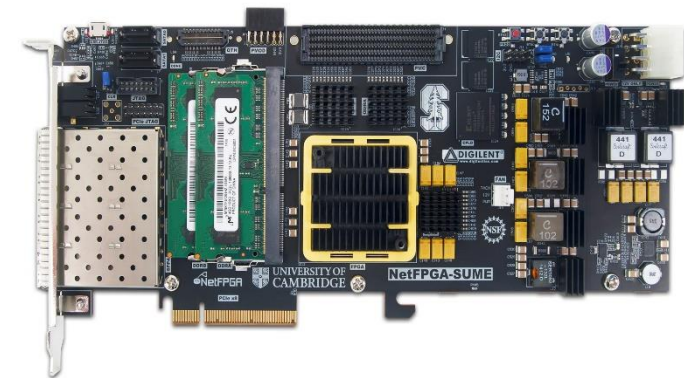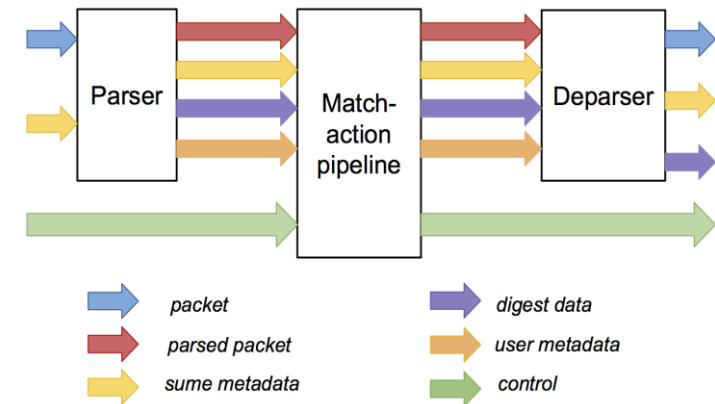
> **Students build fully functioning internet router on NetFPGA SUME**
>> Data-plane in P4
>> Control-plane on Linux host

> **Week 6 – Interoperability Testing**

> **Week 10 – Open-ended design challenge demos**

> **Student Projects:**
>> NetCache on NetFPGA
>> In-Network Compression
>> Count-Min Sketch for Packet Scheduling
>> P4 Performance Measurement System
>> INT + Network Cookies
>> *In-Network Sorting (DEMO)*

> **Entire course on GitHub, ready for copy/reuse**

NetFPGA SUME
4x10G ports