



Careers in Software

DevDayYuma

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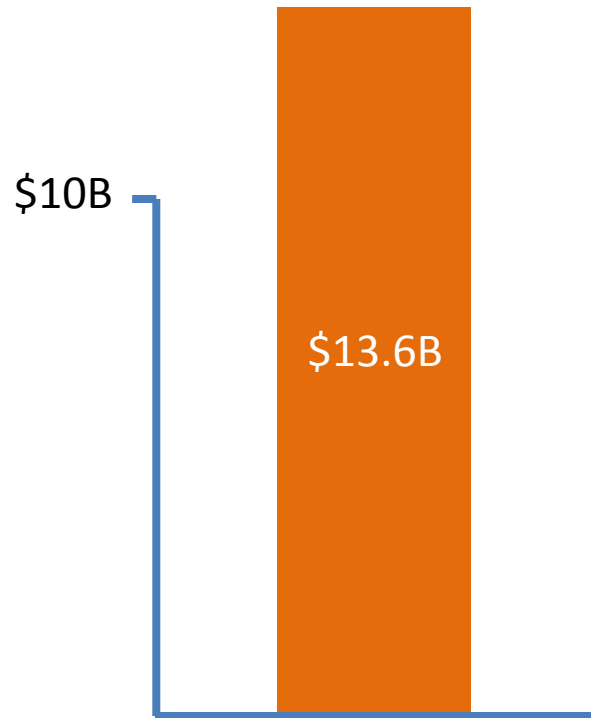
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Software is all about games, right?



Game software is big, but...

U.S. console and video game software revenue, 2015

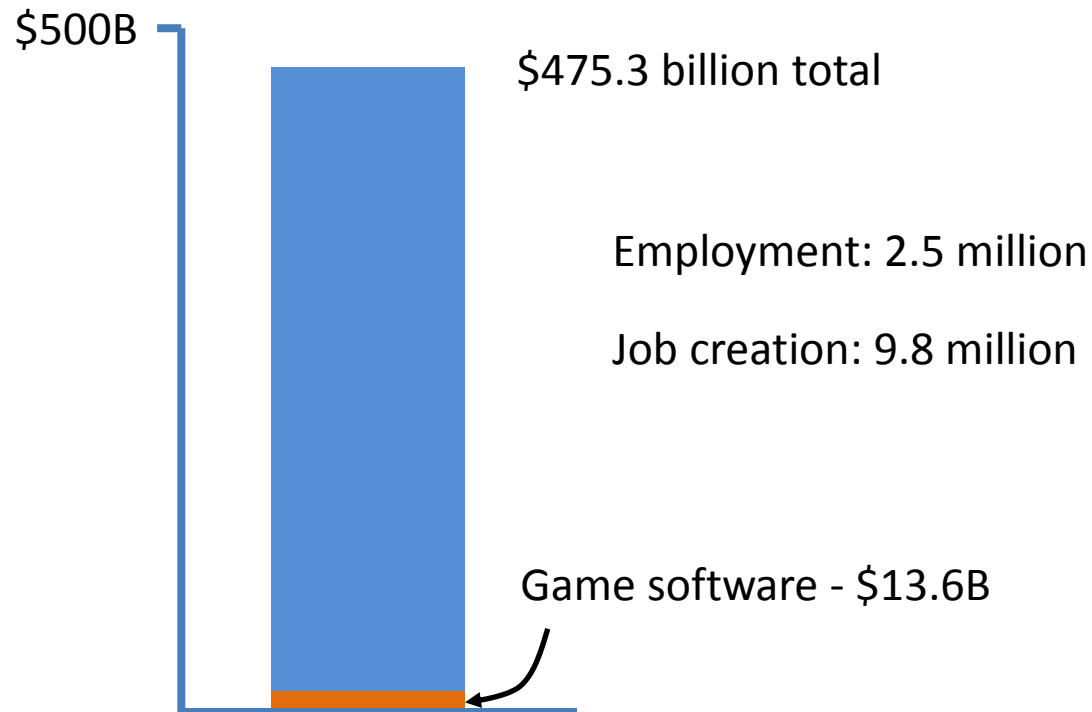


Source: <https://www.statista.com/topics/868/video-games/>

Software is a HUGE industry

Game software is a relatively small segment

U.S. software revenue, 2015



Source: <http://softwareimpact.bsa.org/>

Software industry sectors



Productivity



Operating Systems



Embedded software



ERP



Databases



Cloud computing



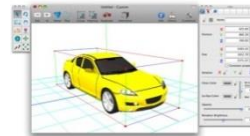
Graphics / animation / SFX / CGI



Games



Security



Computer aided design



Communications & networking



Mobile



Social media



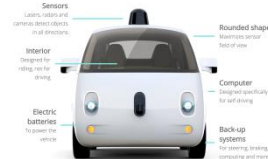
Defense & aerospace



EXTRADE[®]
Finance & banking



E-commerce



Transportation



Industrial automation

Leading software companies

Google

IBM

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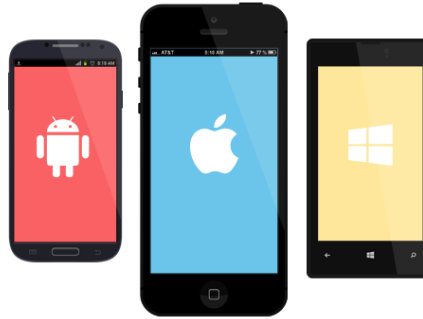


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Hardware platforms



PCs and laptops



Mobile devices



Servers

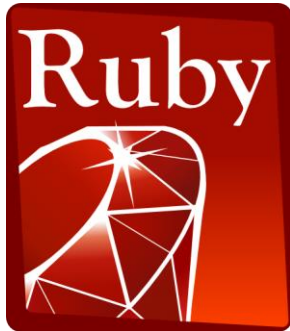


Mainframes and supercomputers



Embedded devices

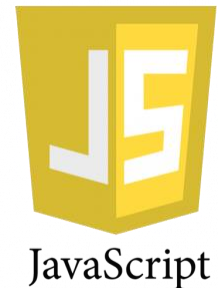
Software languages



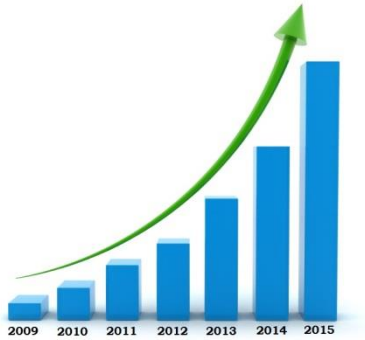
Swift



Objective-C



Trends in software



Huge growth



Shift to mobile



Open source



Cloud computing

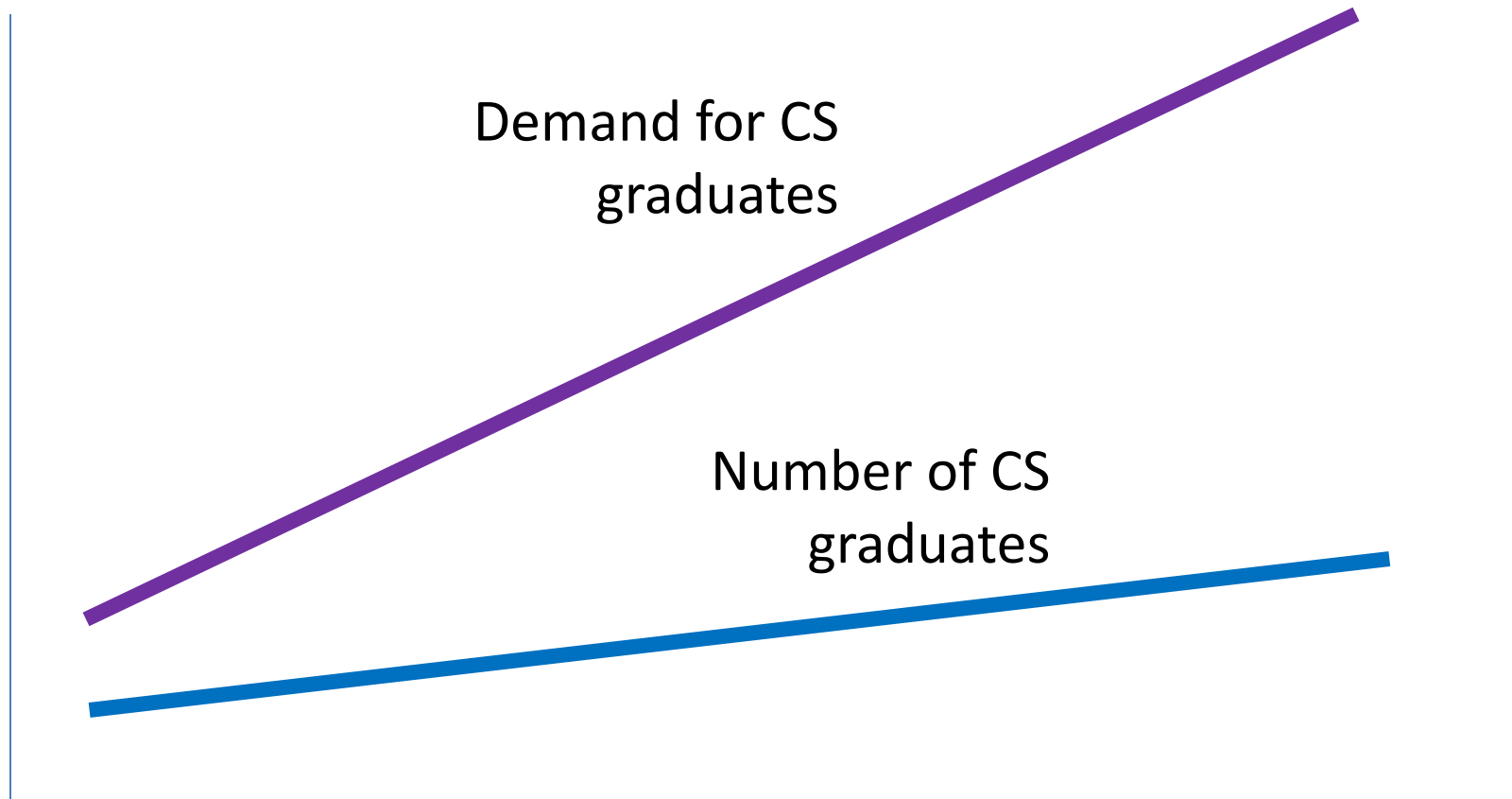


Rise of social media



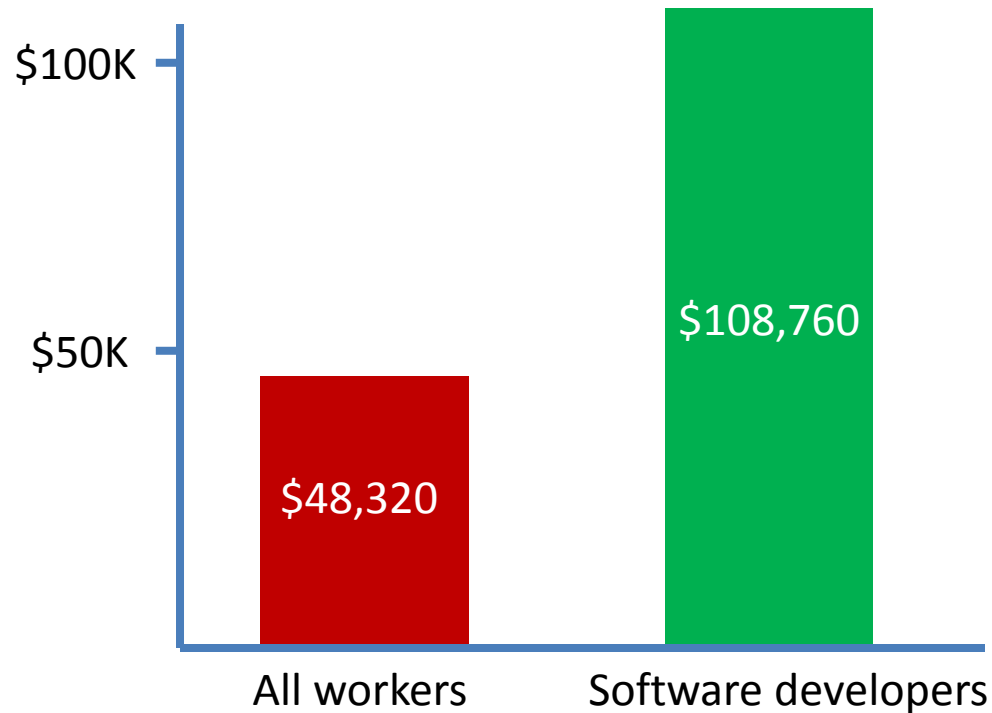
Subscription model

Wanted: programmers



Software pays well

Average U.S. wage, 2015



Sources: <http://softwareimpact.bsa.org/> https://www.bls.gov/oes/current/oes_nat.htm

Jobs in software

- Software developer / programmer
- Quality assurance engineer (tester) / SDET
- Database administrator (DBA)
- System architect
- Analyst (business or technical)
- UI/UX designer
- Technical writer
- Configuration / build / release engineer
- Localization engineer
- Tech support representative
- Sales representative
- Software development lead
- Product manager
- Project manager
- Software development manager
- CTO / IT manager / director

Software education

Computer science (CS) degrees

Years

PhD

6-8 years

Master's degree (MSCS)

6 years

Bachelor's degree (BSCS)

4 years

Associate's degree (AA)

2 years

Software certificate (H.S. – STEDY)

Software “boot camp” certificate

2-3 months

Next up: educational and
career opportunities in Yuma

Thanks for listening!