

## Computer Science Skills and Careers

Information Session for Parents and Teachers

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# CS4HS Itinerary

- 9:30 - 10:00 Breakfast, TECH Building Lobby
- 10:00 - 11:30 Showcase and Competition, TECH Lobby and TECH 140
  - **10:00 – 10:40** Parent and Teacher Information Session 1, TECH 160
  - **10:00 – 10:40** Hour of Code Session 1, TECH 242
  - **10:45 – 11:25** Parent and Teacher Information Session 2, TECH 160
  - **10:45 – 11:25** Hour of Code Session 2, TECH 242
- 11:30 – 12:00 Close Down and Lunch, Bulger Lobby
- 12:00 – 12:30 Project Presentations, Bulger South
- 12:30 – 1:00 Award Distribution, Bulger South

# CS4HS



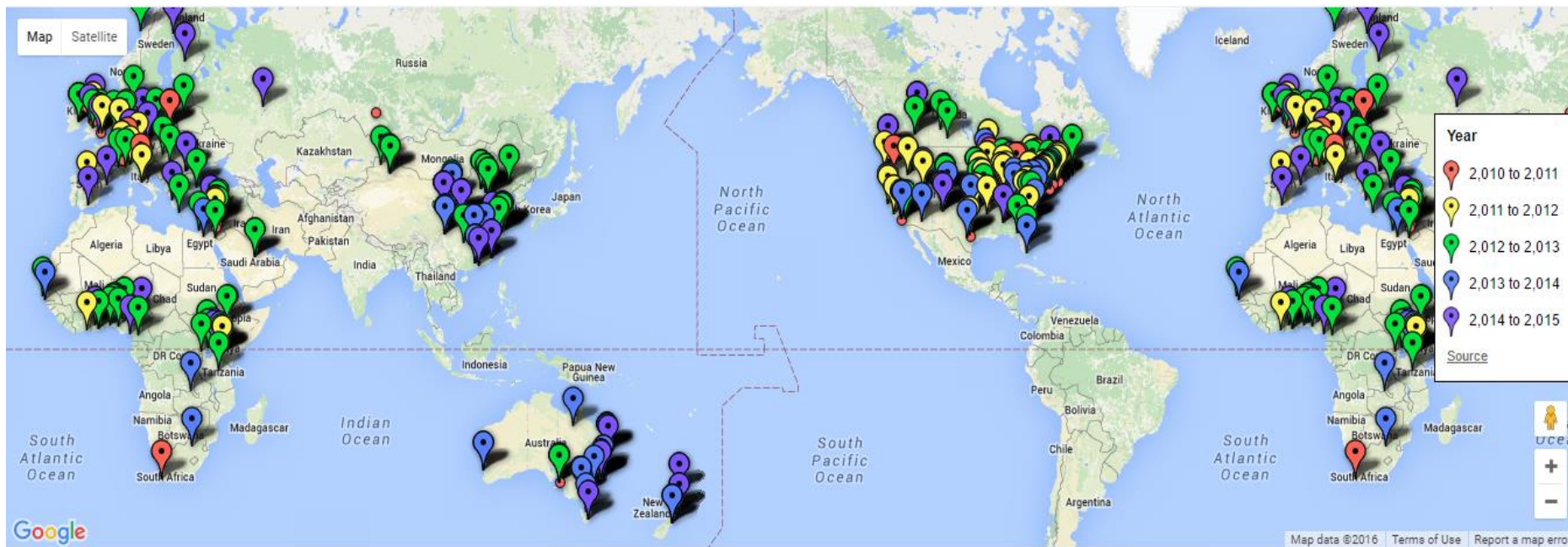
Google Computer Science for High School



Search this site

Search

[About CS4HS](#) [Current Programs](#) [Eligibility](#) [Application](#) [Resources](#) **[Past Programs](#)** [FAQs](#)



Source: <http://cs4hs.com/past-programs/>

# Career Opportunities

**Computing jobs are the #1 source of new wages in the United States.**

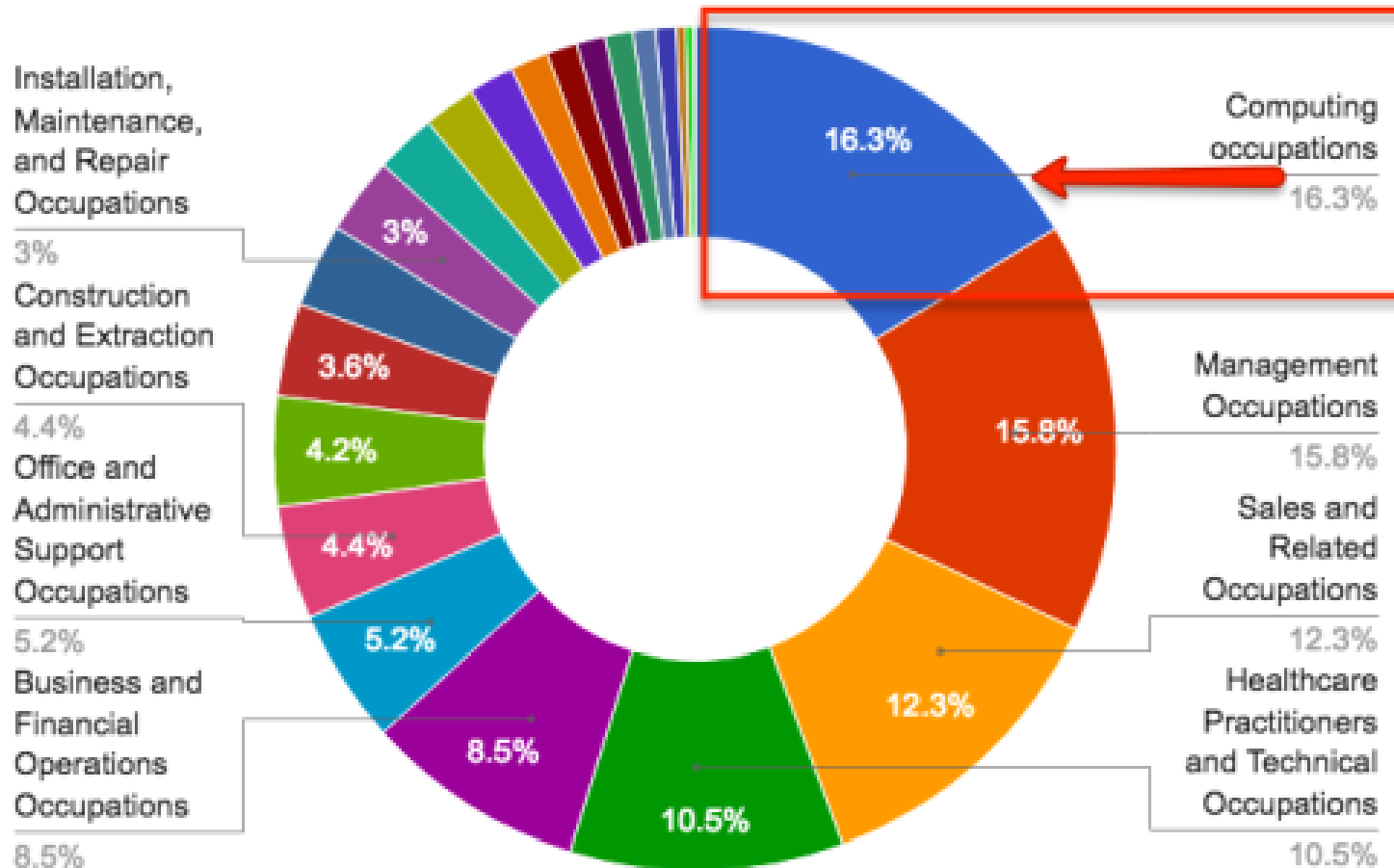


**500,000 current openings:** These jobs are in **every** industry and **every** state, and they're projected to grow at twice the rate of all other jobs.

Source: [code.org/promote](http://code.org/promote), May 2016

# Computing Occupations

Largest Category of New Wages in the US



Source: [code.org/promote](http://code.org/promote), May 2016

# How Technology Benefits Business

- Computer Systems
- Email
- Internet
- Video Conferencing
- Faxing
- Company Intranets and Extranets
- Social Media
- Smart Phones
- GPS Satellites and RFID
- Emerging Technologies



Reduced costs for Telecommunications Networks makes technology even more attractive

# Career Opportunities

- Business Applications
- Hardware
- Networking
- Telecommunications
- Technology Management
- Information Security
- Entertainment
- Gaming
- Industry Specific Applications

A few words from familiar visionaries

- <https://www.youtube.com/watch?v=nKlu9yen5nc>

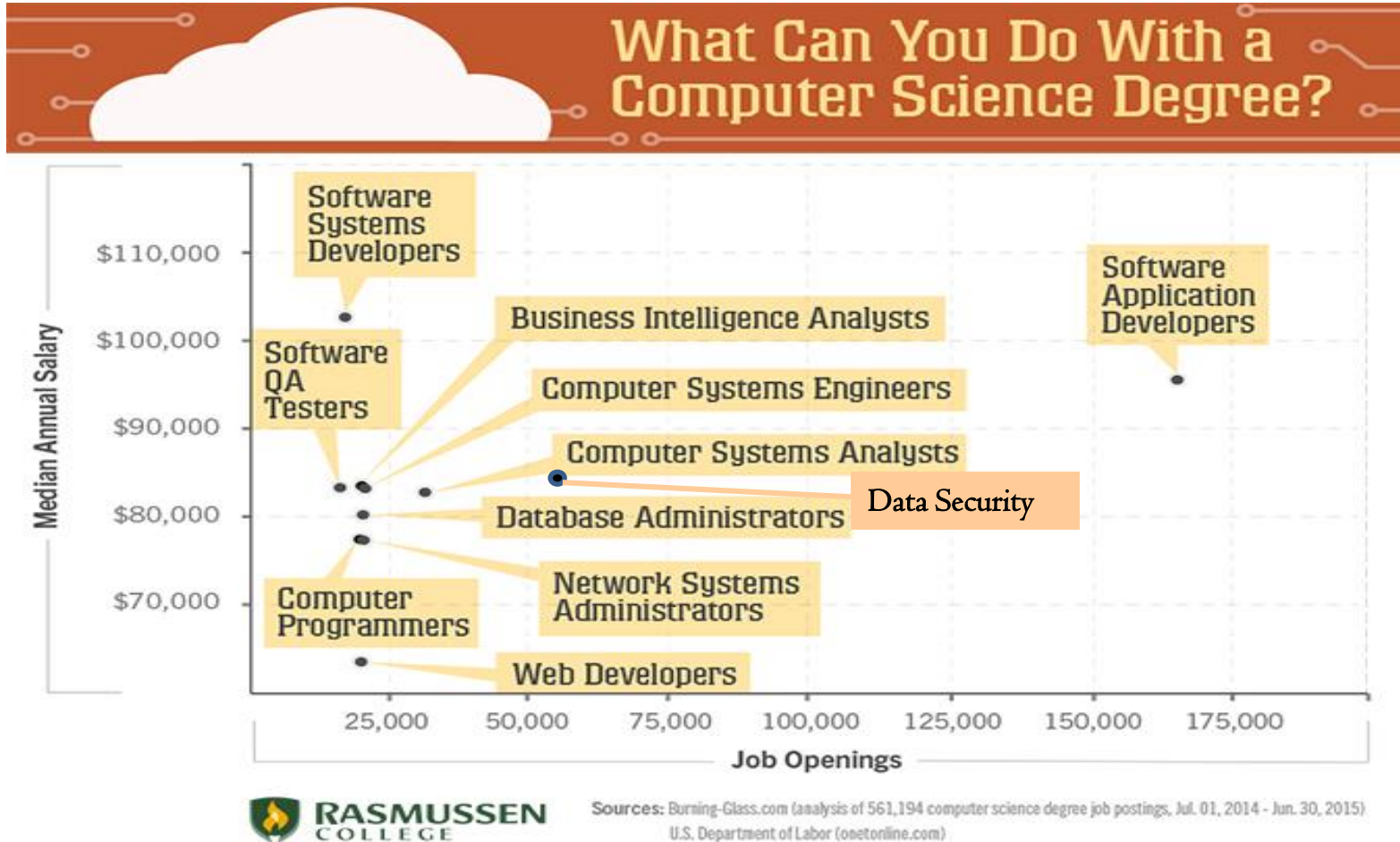


“Every student in every school should have the opportunity to learn computer science.”

- *code.org*

<https://code.org/educate/resources/videos>

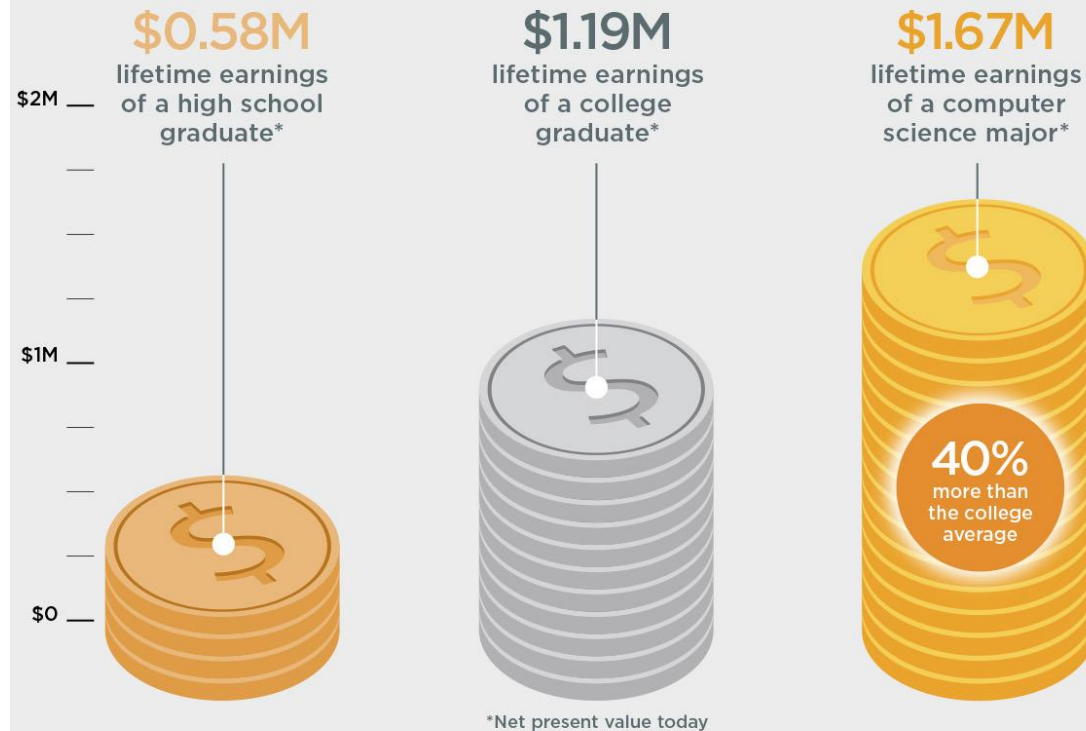
# Careers in Computing



Source: [https://www.google.com/imgres?imgurl=http://www.rasmussen.edu/~media/images/blogs/school-of-technology/what-can-you-do-with-computer-science-degree.ashx%3Ffla%3Den&imgrefurl=http://www.rasmussen.edu/degrees/technology/blog/what-can-you-do-with-computer-science-degree/&h=561&w=675&tbid=mkbafngp1cf7M:&tbnh=160&tbnw=192&docid=LBsy\\_QTTqauynM&usq=\\_\\_39LDC-6lAs4yF7OI99xHB1LpAQY=&sa=X&ved=0ahUKEwithrOWilzNAhWFWz4KHcttCm4Q9QEIIIDAA#h=561&tbnh=160&tbnw=192&w=675](https://www.google.com/imgres?imgurl=http://www.rasmussen.edu/~media/images/blogs/school-of-technology/what-can-you-do-with-computer-science-degree.ashx%3Ffla%3Den&imgrefurl=http://www.rasmussen.edu/degrees/technology/blog/what-can-you-do-with-computer-science-degree/&h=561&w=675&tbid=mkbafngp1cf7M:&tbnh=160&tbnw=192&docid=LBsy_QTTqauynM&usq=__39LDC-6lAs4yF7OI99xHB1LpAQY=&sa=X&ved=0ahUKEwithrOWilzNAhWFWz4KHcttCm4Q9QEIIIDAA#h=561&tbnh=160&tbnw=192&w=675)

# Career Opportunities

## The value of a computer science education



**A computer science major can earn 40% more than the college average.**

Source: [code.org/promote](http://code.org/promote), May 2016

## US News and World Report *Best Jobs in Computing 2016*

<http://money.usnews.com/careers/best-jobs/rankings/best-technology-jobs>

# Further Reading

- “Computer Science Students Are In Demand and They Know It”, by Phil Johnson, IT World, July 2015  
<http://www.itworld.com/article/2945674/careers/computer-science-students-are-in-demand-and-they-know-it.html>
- “A Guide to Computer Science Careers”, by Michael Hoffman, Computer Science Online, 2016
- <http://www.computerscienceonline.org/careers/>

# Thank You!