

Computer and Information Research

Scientists

15-1221.00



Description: Conduct research into fundamental computer and information science as theorists, designers, or inventors. Develop solutions to problems in the field of computer hardware and software.

Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

Sample of Reported Job Titles: Computer Scientist, Computer Specialist, Control System Computer Scientist

Job Zone

Title: 5 - Extensive Preparation Needed

Education: Require graduate school.

Experience: Extensive skill, knowledge, and experience are needed for these occupations. Many require more than five years of experience.

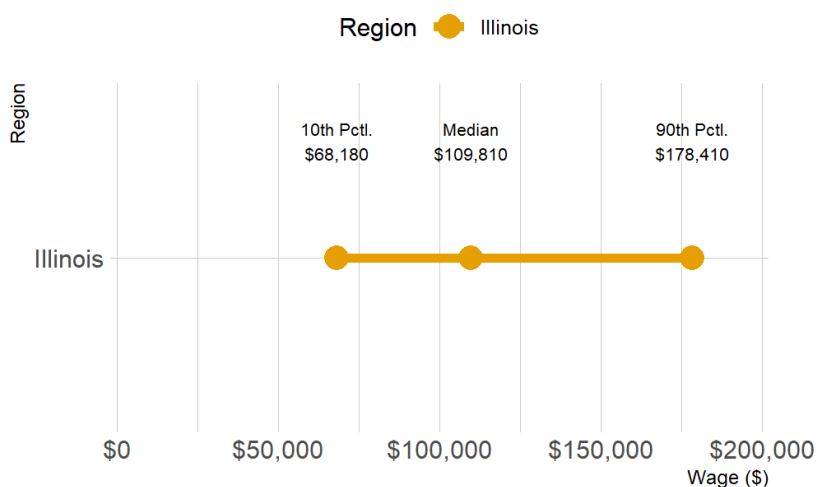
Training: May need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training.

Core Certifications: Associate Computer Scientist, Associate - Data Science Version 2.0

Hot Technologies: Amazon DynamoDB, Amazon Elastic Compute Cloud EC2, Amazon Redshift, Amazon Web Services AWS software, Apache Cassandra, Apache Hadoop, Apache Hive

Region Employment Location Quotient Median Wage

Illinois 170 0.14 \$109,810



Top 5 Core Tasks According to Current Job Holders

Frequency Importance
(out of 100)

Analyze problems to develop solutions involving computer hardware and software.

Daily 85

Apply theoretical expertise and innovation to create or apply new technology, such as adapting principles for applying computers to new uses.

Daily 78

Assign or schedule tasks to meet work priorities and goals.

More than monthly 75

Meet with managers, vendors, and others to solicit cooperation and resolve problems.

More than weekly 73

Design computers and the software that runs them.

Hourly or more 73