

## 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.

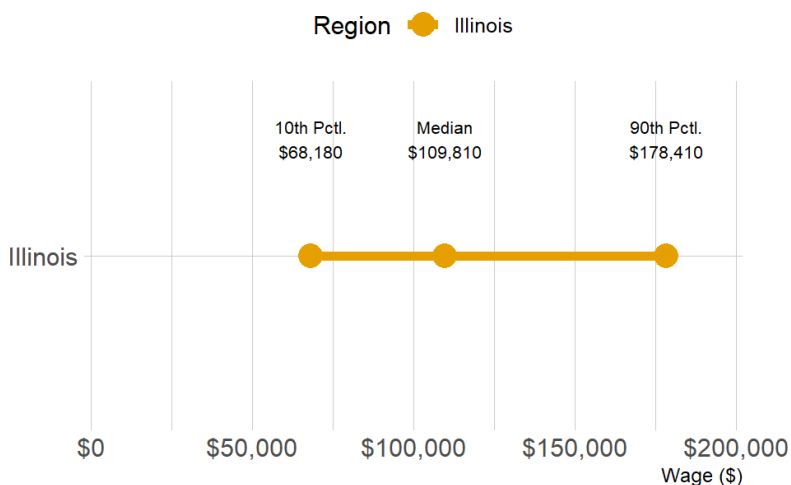
**Training:** May need some on-the-job training, but most of these occupations assume that the person will already have the required skills, knowledge, work-related experience, and/or training.

**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
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Illinois	170	0.14	\$109,810
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#### Top 5 Core Tasks According to Current Job Holders

	Frequency	Importance (out of 100)
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Analyze problems to develop solutions involving computer hardware and software.

Daily	85
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Apply theoretical expertise and innovation to create or apply new technology, such as adapting principles for applying computers to new uses.

Daily	78
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Assign or schedule tasks to meet work priorities and goals.

More than monthly	75
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Meet with managers, vendors, and others to solicit cooperation and resolve problems.

More than weekly	73
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Design computers and the software that runs them.

Hourly or more	73
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