

COMPUTER SCIENCE

Computer and Information Research Scientists conduct research into fundamental computer and information science as theorists, designers, or inventors. Develops solutions to problems in the field of computer hardware and software.

DUTIES

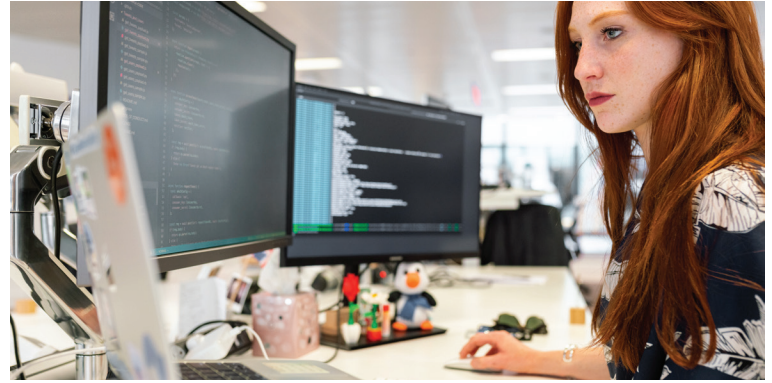
A person in this career:

- Analyzes problems to develop solutions involving computer hardware and software.
- Assigns or schedules tasks to meet work priorities and goals.
- Evaluates project plans and proposals to assess feasibility issues.
- Applies theoretical expertise and innovation to create or apply new technology, such as adapting principles for applying computers to new uses.
- Consults with users, management, vendors, and technicians to determine computing needs and system requirements.
- Meets with managers, vendors, and others to solicit cooperation and resolve problems.
- Conducts logical analyses of business, scientific, engineering, and other technical problems, formulating mathematical models of problems for solution by computers.
- Develops and interprets organizational goals, policies, and procedures.
- Participates in staffing decisions and direct training of subordinates.
- Develops performance standards, and evaluates work in light of established standards.

Computer scientists are the true computer experts of today. They try to figure out how technology can be improved. They help us better understand computers and make use of their full potential.

Computer scientists can specialize in a wide range of subjects. They may study:

- language programming
- hardware design
- artificial intelligence
- computer-human interaction



SALARY INFORMATION

Location	2018				
	10%	25%	Median	75%	90%
California	\$71,430	\$102,670	\$134,650	\$170,570	\$206,510

*Pay period based on yearly amount.

EMPLOYMENT OUTLOOK

Increasing growth rate estimated to be **22%**

470 estimated annual job openings

RELATED OCCUPATIONS

- Computer Systems Analysts ☀️
- Software Developers, Applications ☀️
- Software Developers, Systems Software ☀️🌿
- Database Administrators ☀️
- Computer Systems Engineers/Architects ☀️
- Remote Sensing Scientists and Technologists 🌿
- Computer Science Teachers, Postsecondary

