

Top 7 Programming Languages



1. Python

OVERVIEW: Python is an open-source and versatile language popular among new programmers. It is concise, easy to read, and useful for various industry needs, including web development, data analytics, and software development.

CAREERS: Software Developer, Python Developer, Quality Assurance Engineer, Engineer, Cloud Computing, GIS Analyst, Data Scientist, and Machine Learning.



2. SQL

OVERVIEW: SQL (Structured Query Language) is used to extract and organize data within a relational database management system. SQL can perform tasks such as inserting new data in a database, modifying, updating, or retrieving data.

CAREERS: Business Analyst, Software Engineer, SQL Developer, Data Analyst, Database Administrator, SQL Engineer, and SQL Server Database Developer.



3. Java

OVERVIEW: The Java programming language lies at the core of many large-scale business applications. Java is useful for programming a wide variety of portable electronics, from smartphones to embedded systems, in a rapidly expanding number of consumer products.

CAREERS: Programmer, IT Manager, Software Developer, and Full Stack Web Developer.



4. JavaScript

OVERVIEW: The JavaScript programming language allows users to create engaging, interactive, and dynamic web pages. Many of the popular sites you are already using rely on JavaScript to run their web pages.

CAREERS: Front-End Web Development, Full-Stack Web Development, and Information Security Software Developers.



5. C++

OVERVIEW: C++ programming language is intended to develop operating systems, browsers, and game development.

CAREERS: Junior Programmer, Software Developer, Database Developer Software Engineer, Game Programmer, and Quality Analyst.



6. PHP

OVERVIEW: PHP (Hypertext Preprocessor) is an open-source server-side scripting language used for web development. For instance, PHP can be used to develop static websites, dynamic websites, or web applications.

CAREERS: PHP Developer, Web Developer, Full Stack Developer, Front End Developer, PHP Programmer, and Software Architect.

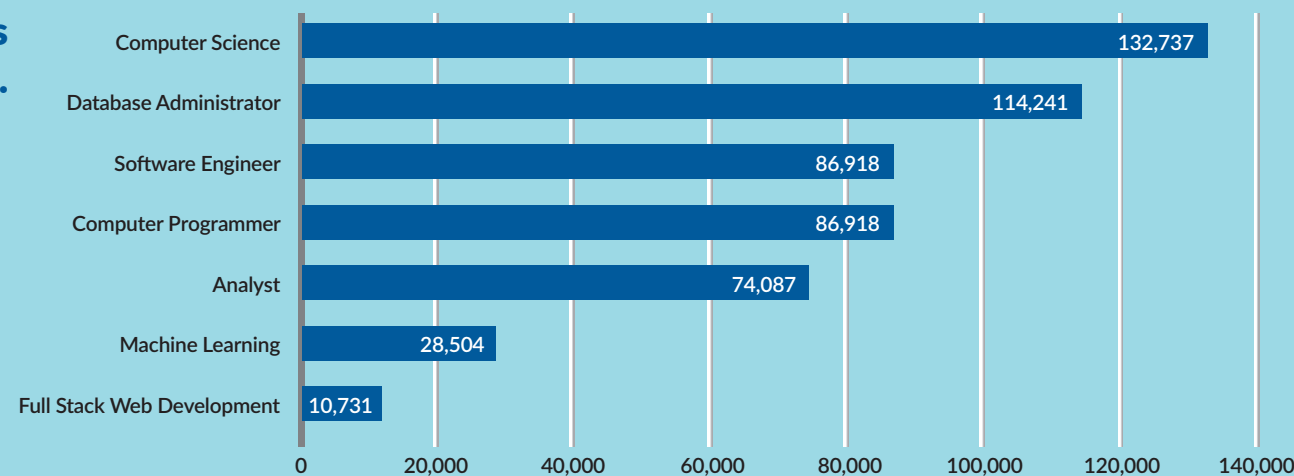


7. R

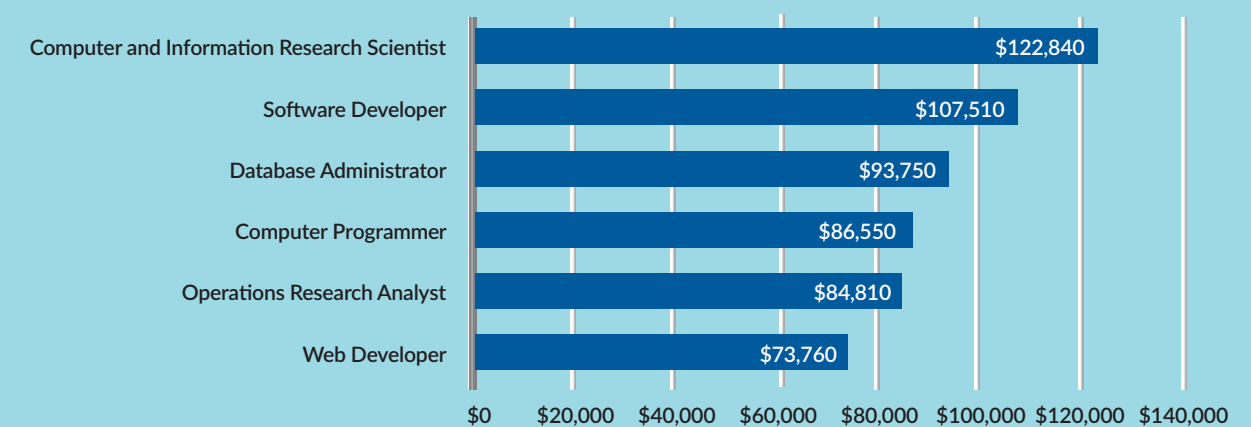
OVERVIEW: R Programming is an open-source scripting language for statistical data manipulation and analysis. Often used by analysts, researchers, and business sectors in banking, finance, and e-commerce.

CAREERS: R Programmer, Data Analyst, Data Architect, Data Scientist, Database Administrator, and Business Intelligence Engineer.

Tech Job Postings in the U.S.



Median Pay Tech Careers in the U.S.



SOURCES:

1. Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Computer, and Information Technology Occupations, <https://www.bls.gov/ooh/computer-and-information-technology/home.htm> (11/30/2020).
2. Emsi. Economic Modeling. Occupation Overview (Database Administrators, Computer and Information Systems, Software Developers). Top Hard Skills. [Economicmodeling.com](https://www.economicmodeling.com).
3. Indeed.com. Job Postings as of 11/25/2020.

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