Software Developer

Job Description: Research, design, and develop software or specialized programs, including artificial intelligence. Analyze user needs and develop software solutions, update software, or enhance existing software capabilities. May develop specifications to enhance computer performance. May maintain databases, working individually or with a team.

What does a Software Developer do?

- Recommend, and plan installation of a new system or modification of a new system
- Design, develop, and modify software systems, using scientific analysis and mathematical models to predict and measure outcomes and consequences of design
- Develop or direct software system testing for validation procedures, programming, or documentation
- Store, retrieve, and manipulate data for analysis of system capabilities and requirements
- Apply logic and probability analysis to problem-solving initiatives
- Using AI practices regarding application in speech/face recognition, data processing, data mining, and robotic control
- Implement AI solutions to solve a variety of complex problems or scenarios

Your Interests:

- Are you interested in coding?
- Do you want to study and develop computer systems, including artificial intelligence?
- Do you like math and statistics?

Outlook:

Average Salary - $58.05 hourly, $120,730 annually
Projected Job Openings – 189,200 in the next 10 years

Education/Program of Study:

- Most entry level positions require a bachelor's degree.
- Degree paths include computer science, software engineering, information technology, data science, and other related fields.

Sources:
https://www.onetonline.org/link/summary/15-1252.00
https://csuglobal.edu/blog/what-does-artificial-intelligence-engineer-do