

## O'Reilly for higher education topics

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### On our radar

#### **AI and machine learning** (1,400 titles)

- Artificial intelligence
- Chatbots
- Computer vision
- Machine learning
  - Deep learning
  - Mahout
  - Neural networks
  - PyTorch
  - Recommender systems
  - Reinforcement learning
  - Scikit-Learn
  - Tensorflow
  - Unsupervised learning
- Natural language processing (NLP)

#### **Programming** (5,100 titles)

- .NET
- C, C++, and Objective-C
- COBOL
- Dart
- Functional programming
- Go
- JVM Languages
- Java
- Low-level languages
- Lua
- OCaml
- Perl
- Python
- Qt
- Ruby
- Swift
- Tcl/TK

#### **Cloud platforms** (1,000 titles)

- Amazon Web Services (AWS)
- Cloud Foundry
- Google Cloud Platform
- Heroku
- IBM Cloud
- Microsoft Azure
- OpenStack

#### **Security certification** (480 titles)

- CompTIA CASP
- CompTIA CSA+
- CompTIA Security+
- CBK
- CCNA Security
- CCSP
- CEH
- CISA
- CISSP
- CSSLP
- SSCP

#### **Software architecture** (490 titles)

- Architectural patterns
- Distributed systems
- Domain-driven design
- Enterprise architecture
- Evolutionary architecture
- Serverless architecture

# Topics

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## Business (12,000 titles)

- eCommerce
- Economics
- Finance and accounting
- Gig economy
- Human resources
- Operations
- Productivity tools
- Project and product management
- Sales and marketing
- Strategy

## Career development (2,000 titles)

- Personal development
- Professional communication
- Tests and education

## Data (7,000 titles)

- Data engineering
  - Accumulo
  - Ceph
  - Data models
  - Data warehousing
  - Database administration
  - DynamoDB
  - Filemaker
  - GIS
  - Google BigQuery
  - Hadoop
  - Hive
  - IBM
  - Impala
  - Integration solutions
  - Kudu
  - Log data
  - Metadata
  - Microsoft Access

- NoSQL databases
- Oracle Database Solutions
- Privacy and security
- RedShift
- Relational databases
- SAP
- SQL
- Search
- Spark
- Storage formats
- Storage repositories
- Streaming and messaging
- Zookeeper
- Data science
  - Analytics platforms
  - Bioinformatics
  - Data governance
  - Data science tools
  - Data science as a profession
  - Data visualization
  - Enterprise data strategy
  - Exploratory data analysis
  - Feature extraction
  - Graph analytics
  - Statistics
  - Time series
  - Web scraping
- **AI and machine learning**

## Design (5,000 titles)

- Branding
- Design process
- Design tools
- Fashion design

# Topics

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- Industrial design
- Interface design
- Music and audio
- Product design
- Virtual reality / Augmented reality
- Visual design

## Hardware (1,000 titles)

- Chips and processors
- Drones
- Embedded systems
- IoT
- Kinect
- Making
- Wireless

## Security (2,000 titles)

- Application security
- Digital forensics
- Frameworks and standards
- Governance
- Malware
- Network security
- Penetration testing / Ethical hacking
- **Security certifications**
- Security engineering
- Security operations

## Software development (8,000 titles)

- Blockchain / Decentralized apps
- Coding practices
- Compilers
- Computer science
- Domain-specific languages
- Game development
- Graphics programming
- **Programming languages**
- QA / Testing

- **Software architecture**
- Software collaboration
- Text editors & IDEs

## System administration (7,000 titles)

- Backup and recovery
- Cloud computing
  - Cloud migration
  - **Cloud platforms**
- Computer networking
- Configuration management
- Containers
- DBA
- DevOps
- Email servers
- IT certifications
- Identity / Access Management
- Infrastructure as code
- Microservices
- Monitoring
- Operating systems
- Recovery planning
- ServiceNow
- Site reliability engineering
- SysML
- Virtualization

## Web and mobile (4,700 titles)

- Mobile development
  - Automation tools
  - Hybrid mobile development
  - Native Android Development
  - Native iOS development
  - Progressive web apps

# Topics

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- Web development
  - Adobe Flash
  - Apache Flex
  - Content management Systems
  - DreamWeaver
  - Frontend web development
  - Google Web Toolkit
  - JavaScript
  - Liferay
  - Maps on the Web
  - Microsoft expression web
  - Microsoft Silverlight
  - Node.js
  - PHP
  - Python web frameworks
  - Ruby on Rails
  - Web APIs
  - Web performance
  - Web servers
  - YUI