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GitHub Copilot for Developers

Published by **Pearson**

▪▫ **Beginner to intermediate**

Unlock Your Coding Superpowers and Boost Productivity with GitHub Copilot

What you'll learn   **Is this live event for you?**   **Schedule**

- Personalized guidance to tailor GitHub Copilot for your unique coding style and preferences

- Full coverage of advanced Copilot X features for a cutting-edge development experience

- Insider techniques to boost productivity, directly from an experienced Copilot power user

Unlock the full potential of your programming skills with our comprehensive 4-hour live training session on "GitHub Copilot Tips and Tricks for Developers." This class is designed to help you not only understand how to sign up for and configure GitHub Copilot but also leverage its capabilities as your ultimate pair programmer. Master time-saving tips, tricks, and shortcuts that will elevate your coding experience and streamline your workflow.

In this class, you will learn how to use advanced GitHub Copilot X features and learn how to customize Copilot to suit your unique coding style and preferences. Moreover, you'll benefit from insider techniques shared by an experienced Copilot power user to boost your productivity and efficiency. Don't miss this opportunity to sharpen your
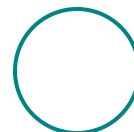
Jan 28
9am–1pm Central Standard Time

102 Spots Remaining

Sign up for a free trial!

or **sign in**.

Your Instructor

Tim Warner

Tim Warner has been a Microsoft MVP in Azure AI and Cloud/Datacenter Management for 6 years and a Microsoft Certified Trainer for more than 25 years. His O'Reilly Live Training classes on generative AI, GitHub, DevOps, data engineering, cloud computing, and Microsoft certification reach hundreds of thousands of students around the world. He's written for Microsoft Press, presented at Microsoft Ignite, and contributed to several Microsoft open-source projects. You can connect with Tim on LinkedIn: timw.info/li.

Show less

Associated roles

Android developer

Backend developer

C# developer

development skills and stay ahead of the curve in an ever-evolving tech landscape.

Skill covered

GitHub Copilot

What you'll learn and how you can apply it

- How to customize Copilot's AI suggestions to enhance code quality and align with personal preferences

- How to use Copilot's context-aware suggestions for seamless integration with existing codebases

- How to leverage advanced Copilot X features for improved efficiency in code generation and bug fixing

- How to implement time-saving shortcuts and hidden gems within GitHub Copilot to streamline workflows

And you'll be able to:

- Adjust Copilot's settings to generate code snippets tailored to specific programming styles and requirements

- Integrate Copilot's AI-driven suggestions into ongoing projects, ensuring seamless code merging and compatibility

- Apply advanced Copilot X capabilities to swiftly identify and resolve coding errors or bottlenecks

- Navigate GitHub Copilot's interface with ease, using shortcuts and hidden features to expedite development tasks

This live event is for you because...

This training is suitable for software developers and data scientists, catering to both beginners and more advanced learners. Whether you're just starting to explore GitHub Copilot or have some experience with it, this course will provide valuable insights and techniques to enhance your coding abilities and productivity. The course content will cover foundational concepts for beginners, while also delving into advanced features and strategies for those with more experience.

Prerequisites

- To get the most out of this class, attendees should have a basic understanding of programming concepts and be familiar with at least one programming language.

- Prior experience with version control systems, especially Git and GitHub, will be helpful but not mandatory.

- No prior experience with GitHub Copilot is required, as the course will cover its fundamentals while also delving into advanced features for more experienced users.

Course Set-up

- A GitHub account (free or paid) to access and configure GitHub Copilot (*optional if you wish to follow along with the hands-on portion, but not required*)

- A compatible code editor or IDE (e.g., Visual Studio Code) with GitHub Copilot extension installed

- Git installed and configured for version control, along with basic knowledge of Git commands

- A stable internet connection for seamless interaction with GitHub Copilot's AI suggestions during the live session

Recommended Preparation

- Watch: _Git Essentials LiveLessons, 2nd Edition_ (Video Training), by Daniel Chen

Recommended Follow-up

- Read: _Quick Start Guide to Large Language Models: Strategies and Best Practices for using ChatGPT and Other LLMs_ by Sinan Ozdemir

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Schedule

The time frames are only estimates and may vary according to how the class is progressing.

Segment 1: Introduction (10 minutes)

- Welcome and Overview

- Importance of GitHub Copilot in Modern Development

Segment 2: Getting Started with GitHub Copilot (15 minutes)

- Signing up for GitHub Copilot

- Installing and Configuring the Copilot Extension

- Compatible Code Editors and IDEs

Segment 3: GitHub Copilot Fundamentals (30 minutes)

- Pair Programming with Copilot

- Generating Code Suggestions

- Evaluating and Integrating Suggestions

- Managing Multi-language Support

Q&A (5 minutes)

Break (10 minutes)

Segment 4: Time-saving Development Tips, Tricks, and Shortcuts (60 minutes)

- Customizing Copilot AI Suggestions

- Efficient Code Generation Techniques

- Navigating the Interface with Shortcuts

- Streamlining Git Integration and Workflow

Q&A (5 minutes)

Break (10 minutes)

Segment 5: Advanced Capabilities with GitHub Copilot X (60 minutes)

- Exploring Copilot CLI

- Implementing Copilot for Pull Requests

- Leveraging Copilot Chat

Break (10 minutes)

Segment 6: Real-world Use Cases and Best Practices (45 minutes)

- Tailoring Copilot to Your Coding Style

- Fine-tuning Copilot's Settings and Preferences

- Managing and Troubleshooting Common Issues

- Case Studies on Efficient Copilot Usage

- Tips for Seamless Integration in Professional Projects

- Balancing Human Expertise and AI-driven Assistance

Segment 8: Conclusion (15 minutes)

- Recap and Key Takeaways

- Resources for Continued Learning

- Closing Remarks and Q&A

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