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	Autore	Lee Henry
	Titolo	Voice user interface projects : build voice-enabled applications using Dialogflow for Google Home and Alexa Skills Kit for Amazon Echo / / Henry Lee
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	ISBN	1-78847-022-2
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	Descrizione fisica	1 online resource (392 pages)
	Disciplina	006.35
	Soggetti	Natural language processing (Computer science)
		Application software - Development
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Sommario/riassunto	Develop intelligent voice-empowered applications and Chatbots that not only understand voice commands but also respond to it Key Features Target multiple platforms by creating voice interactions for your applications Explore real-world examples of how to produce smart and practical virtual assistants Build a virtual assistant for cars using Android Auto in Xamarin Book Description From touchscreen and mouse-click, we are moving to voice- and conversation-based user interfaces. By adopting Voice User Interfaces (VUIs), you can create a more compelling and engaging experience for your users. Voice User Interface Projects teaches you how to develop voice-enabled applications for desktop, mobile, and Internet of Things (IoT) devices. This book explains in detail VUI and its importance, basic design principles of VUI, fundamentals of conversation, and the different voice-enabled applications available in the market. You will learn how to build your first voice-enabled application by utilizing DialogFlow and Alexa's natural language processing (NLP) platform. Once you are comfortable with building voice-enabled applications, you will understand how to dynamically process and respond to the questions by using NodeJS server deployed to the cloud. You will then move on to securing NodeJS RESTful API for DialogFlow and Alexa webhooks,

creating unit tests and building voice-enabled podcasts for cars. Last but not the least you will discover advanced topics such as handling sessions, creating custom intents, and extending built-in intents in order to build conversational VUIs that will help engage the users. By the end of the book, you will have grasped a thorough knowledge of how to design and develop interactive VUIs. What you will learn Understand NLP platforms with machine learning Exploit best practices and user experiences in creating VUI Build voice-enabled chatbots Host, secure, and test in a cloud platform Create voice-enabled applications for personal digital assistant devices Develop a virtual assistant for cars Who this book is for Voice User Interface Projects is for you if you are a software engineer who wants to develop voice-enabled applications for your personal digital assistant devices such as Amazon Echo and Google Home, along with your car's virtual assistant systems. Some experience with JavaScript is required.