Dave Wecker is an architect in Microsoft’s Quantum Architectures and Computation group (QuArC). QuArC is a team of leading quantum computer scientists and engineers dedicated to developing real-world quantum algorithms, understanding their implications, and designing a comprehensive software architecture for programming such algorithms on a scalable, fault-tolerant, quantum computer. As part of Microsoft Quantum Research, the group’s mission is to advance understanding of quantum computing and its applications and implementation.

Dave Wecker received his BSEE and MSIA degrees from Carnegie Mellon University, where he also worked in the AI labs. He has coded professionally since 1973, spending 13 years at Digital Equipment Corporation before moving to Microsoft, where he has worked since 1995. Along with QuArC, he has worked on Microsoft projects in big data, machine learning, speech recognition, and mobile devices, among other fields. He has over 20 patents for Microsoft and 9 Ship-It awards.