Customers

Press

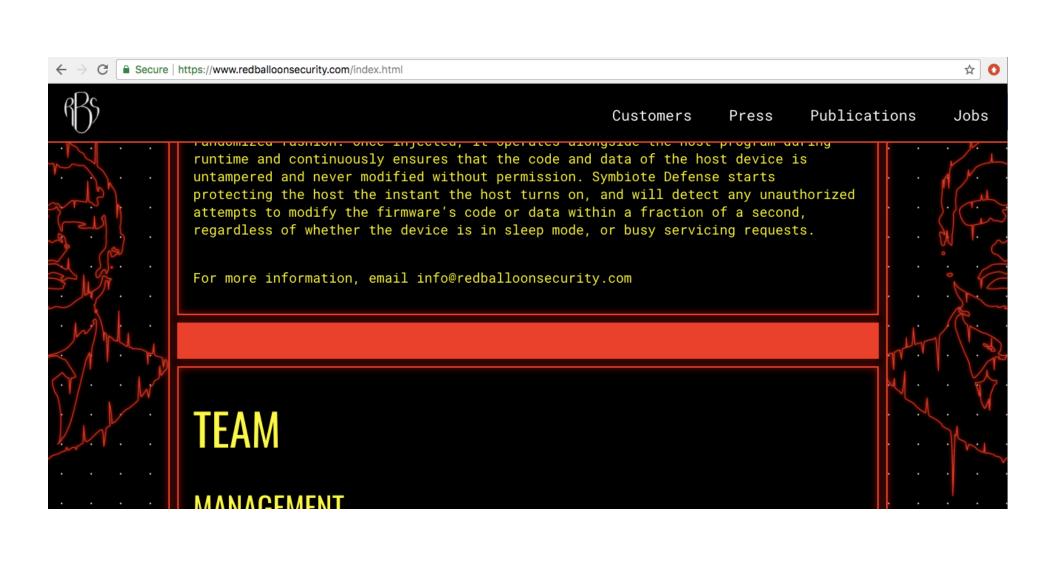
Publications

Jobs

## **HELLO**

Red Balloon Security is a leading security provider and research firm for embedded devices across all industries. Founded in 2011 by Dr. Ang Cui, the company's core technology, Symbiote Defense, was originally developed within Columbia University's Intrusion Detection Systems Lab. Red Balloon Security's pioneering R&D is led by a team of world-class academic researchers and developers who have published seminal research papers in the fields of embedded security and intrusion detection, led US Department of Defense funded research activities, ethically disclosed vulnerabilities within hundreds of millions of ubiquitous embedded devices and worked as embedded security researchers within various intelligence agencies.

binary code and data of the host it protects. It is injected into the firmware in a randomized fashion. Once injected, it operates alongside the host program during



Jobs

Publications





Red Balloon Security is led by a strong management team with significant track records in science, technology and entrepreneurship. The company management carries significant experience in business, engineering and computer science. Dr. Ang Cui, the CEO, ranks among the world's foremost experts in cybersecurity and is a former member of the Columbia University Intrusion Detection Systems Lab (IDS Lab). Dr. Cui is the inventor of Symbiote. The technologies he pioneered represent the state of the art for practical embedded systems defense.

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## RESEARCH

The Red Balloon Security research team comprises of world-class academics and researchers whose collective vision, passion and hard work has turned an idea of universally compatible security for all embedded systems into a reality. We have established ourselves as thought leaders in both academic and commercial security communities. Members of the Red Balloon Security team have published seminal

