# Scott Carter

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## Overview

I have over a decade of experience as a technical lead for mobile and multimedia projects, building and evaluate multimedia teleconferencing and capture and access applications, ubiquitous computing tools, public display applications, and document creation and annotation systems. I created visions for projects, planned their design and deployment, innovated new technologies to realize the vision, worked with others on the implementation of the core technology, and communicated innovations and findings to technical and non-technical audiences. My technical experience includes creating rapid prototypes as well as building end-to-end systems. I also have extensive experience conducting lab- and field-based evaluations. I enjoy working with diverse teams and collaborating with designers, developers, and user experience researchers.

## Selected work

**Staff Research Scientist at Toyota Research Institute (TRI) — 2020**

**Principal resaerch scientist at FX Palo Alto Laboratory (FXPAL) — 2020**

**Senior research scientist at FXPAL — 2013-2020**

**Research scientist at FXPAL — 2007-2013**

I led several teams developing technologies from ideation to prototypes ready for productization. I led teams of designers and developers in the creation of a video-conferencing, chat, and multimedia tutorial systems that I helped integrate into our parent organization. I served on the patent committee and helped other researchers hone their innovations and communicate their value. I also mentored several interns and young researchers.

**Administrative editor of the HCI Journal — 2017-**

I coordinate paper submissions for Human-Computer Interaction, one of the top journals for computer science and electronics and which has (as of August 2020) the highest impact factor of any HCI-focused journal.

**Intern FXPAL (with Elizabeth Churchill) — Summer 2003**

**Intern Hewlett-Packard Labs (with Patrick Goddi) in Palo Alto — Summer 2002**

**Founder Madpickle Design — 2001**

I created and ran this web design company.

**Webmaster New Mexico Daily Lobo — 1998-1999**

I created, designed and managed the college newspaper's website.

**Web editor for CNN Interactive — Summer 1998**

## Education

PhD in Computer Science, Human-Computer Interaction focus, University of California, Berkeley, 2007.

Scandinavian Digital Design summer program at The Danish Design School, 2001.

BS in Computer Science, *summa cum laude*, departmental honors, University of New Mexico, 2000.

## Publications

I am co-author on dozens of academic papers in HCI, interactive systems, computer-supported cooperative work, design, ubiquitous computing, and multimedia.

I am also co-inventor on dozens of issued patents in topics including smart room control; web-and app-based multimedia interfaces, processing systems, and capture mechanisms; mobile document capture, navigation, and annotation; and teleconferencing interfaces.

Please find a complete listing of my papers and patents as well as press mentions on my full CV (madpickle.net/scott/cv). My papers and patents are also available on Google Scholar (https://bit.ly/3fX9Opk).

## Skills

**Development**

Java, MySQL, Javascript, CSS, HTML, React, Node, PHP, Laravel, Android

**Prototyping**

Wireframing, scenario development, Wizard of Oz, storyboarding

**Methods**

Qualitative needfinding, surveys, lab and field studies, quantitative analysis

**Complete CV available**