

QUALIFICATIONS

Ray Chiang is a software engineering expert with more than 15 years of experience involved in technologies related to system engineering, digital media, embedded system, consumer electronics, industry-standard development, and various areas. Served in leading tech companies such as Samsung, Panasonic. Specialized in code review and reverse engineering of software systems, researching software architecture design and analysis.

PROFESSIONAL EXPERIENCE

Quandary Peak Research Inc **Software Engineering Expert.**

Los Angeles, CA
2020.11 ~ Current

- Serving as a consultant and source-code reviewer in several cases including patent infringement, copyright and breach of contract cases.

RayStudio Inc (Self-Employed) **Technical Consultant**

Irvine, CA
2019.01~2020.11

- Engineering Project Management
- Software Development/Analysis Consultant

Samsung Research America (Digital Media Solution Lab) **System Architect / Technical Consultant.**

Irvine, CA
2011.01~2018.12

- Directed media device research & compliance program based on embedded system reverse engineering, software decompiling, black-box testing, partnered with 10+ media content production facilities to achieve high quality and low incompatibility in the market for all related product lines of more than 50+ product models.
- Led software/hardware technical standard and specification development, represented Samsung in technical partnership, liaison with other companies in the digital media industry space; Contributed to following international industry standards organizations. HDMI forum, Secure Content Storage Association (SCSA/VIDITY), Blu-ray Disc Association (BDA), Digital Entertainment Content Ecosystem (DECE/UV)

Panasonic of North America (Panasonic Hollywood Lab) **Software Java Engineer / Blu-ray Disc Authoring**

Los Angeles, CA
2007.09-2010.12

- Composed Video/Audio asset and programmed (authored) 50+ BD titles (SKUs). Focus on multimedia / UI application development.
- Improved internal production process in the group; reduced the total production time and human resource for projects by 30-50%. Contributed in company production template/Utilities that applied to 100+ titles.

Aplix corporation (iaSolution, Inc/Aplix Taipei office, HQ in Tokyo, Japan) **Development Team Manager, Research and Development**

Taipei, Taiwan
2003.03-2006.04

- Managed a development team of 5 engineers with focus on Java VM porting (JNI development), collaborated with major cell-phone manufacturers/network carriers, worked on 10+ mass production phone models; enabled and supported their Java VM solution which passed the Sun Micro Java certification (TCK).

PROFESSIONAL DEVELOPMENT

MSBA, UNIVERSITY OF ILLINOIS at Urbana-Champaign (UIUC) Urbana-Champaign, IL
Master of Science in Business Administration (Technology Management) 2007
A Business Administration Master program concentrate on tech industry

BS in CS, NATIONAL CHIAO-TUNG UNIVERSITY (NCTU) Hsinchu, Taiwan
Bachelor of Science in Computer & Information Science 2000

TECHNICAL PROFICIENCIES

Programming: Java (J2SE/J2ME/BD-J), C/C++ , Perl, Python, OpenGL, Javascript(full stack), CSS
Technology: Spring Boot, Embedded System, RTOS, Java Virtual Machine(JVM), JVM certification (TCK), JNI, J2ME, BD-J, Eclipse, Ant building, Swing/AWT, Servlet, Tomcat, Java Design Pattern, Restful API, Front End, Node.JS, React.JS, Serial Communication (RS-232 / BT) Network Protocol Programming, BD/DVD Authoring, UltraHD BD, HDR10, SMPTE-2084/2086/2094-40 (HDR10+), HDMI, Picture Quality, Display Calibration, Media Transcoding, ColorFront Transkoder, Davinci Resolve, ffmpeg, QuantumData HDMI analyzer, GIT, Live Streaming, OBS
Language: English, Chinese(Mandarin), minor in Japanese, Korean

LITIGATIONS

Jaguar Land Rover v Volkswagen Group of America, Inc.,
Feb 11, 2021-Present
Jurisdiction: United States International Trade Commission
Washington, D.C
Counsel: Sterne Kessler Goldstein & Fox
Nature of Suit: Patent infringement

Autoscan GMBH, KHS Int'l. HLD. LTD v. Manitoba LTD D.B.A. DCC Hail
Nov 10, 2020-Present
Jurisdiction: Federal Court of Montréal, Quebec,
Counsel: Gowling WLG (Canada) LLP
Nature of Suit: Copyright infringement

FinancialApps, LLC v. Envestnet, Inc., and Yodlee, Inc.
Nov 22, 2019-Present
Jurisdiction: United States District Court for the District of Delaware
Counsel: Kasowitz Benson Torres LLP
Nature of Suit: Breach of contract