

SAILA KARIAT (PONNAPALLI)

1710 Orr Court
Los Altos, CA 94024

Phone: (408)836-7344
saila.kariat@gmail.com

CAREER FOCUS

A full time position that leverages my excellent filmmaking, project management, marketing, creative, leadership, business, organizational and writing skills.

SUMMARY OF SKILLS

- Knowledgeable in video production including writing, directing, lighting, sound, interviewing and editing
- Marketing experience including product positioning and trade show management
- Excellent written and verbal communication skills
- Proven ability to tackle complex engineering projects while at IBM T.J. Watson Research Center and IBM Semiconductor group
- Project management experience at a large corporation, startup, and while owning & operating own business
- Established track record of entrepreneurial leadership
- Creative and innovative at learning and mastering novel and diverse areas of expertise
- Resourceful self-starter
- Curious and willing to learn

ACCOMPLISHMENTS

- Co-produced, wrote and directed a narrative feature film, "The Valley". Lead every phase of project from inception to completion, including budgeting, pre-production, staffing, hiring talent, directing, editing, music and sound, festival entry, marketing and distribution. The Valley had a limited theatrical release and is now on demand on Amazon, iTunes, Google Play etc. www.thevalleyfilm.com
- Produced, wrote, directed and edited several short films in both fiction and non-fiction genres.
- Sole owner of a speculation home building company with \$8.8 million dollars in revenue. Performed all project management duties including selection of property, architectural design, staffing, budgeting, scheduling, bookkeeping and sales support functions.
- Responsible for marketing for a high tech start-up company. Determined product positioning, managed trade show, wrote press releases, participated in panels at technical conferences and wrote technical articles. Developed a complex informational 20 minute video "Who Wants to be Noise Aware" while at startup.
- Managed a large group of engineers developing Electronic Design Automation tools at IBM. Initiated several projects and managed development of a CAD tool which continues to be utilized at IBM for noise analysis. Worked at the IBM T.J. Watson Research center performing research and writing technical papers on numerical techniques in electromagnetics, and other CAD related topics.

PROFESSIONAL EXPERIENCE

Wavefront Pictures, LLC

August 2011 to Present

Owner/Principal

Los Altos, CA

Co-produced, wrote and directed feature narrative film, "The Valley". Produced, wrote, directed and edited several short films in the fiction genre – Intertwined, Neighbors, Scenes from A Raisin in the Sun. Produced, wrote, directed and edited several informational videos – Art time Studios, Belika Bags, Interactive Spanish Learning.

Mukti Properties, LLC

October 2005 to August 2011

Owner/Principal

Sunnyvale, CA

Design and build "Green" residential homes. Actively managed architecture, planning, construction, marketing and profitable sale of: 6500 Sq. Ft. Mission Style home in Los Altos, CA, 5300 Sq. Ft. Craftsman Style High End Home in Menlo Park, CA, 8100 Sq. Ft. Tuscan Villa in Los Altos Hills, CA and managed two whole house remodels in Sunnyvale, CA.

Santa Clara University

April 2002 to August 2005

Adjunct Faculty

Santa Clara, CA

Taught advanced graduate course in numerical techniques in electromagnetics, focusing on Method of Moments. Taught first year graduate courses in Electromagnetics covering electrostatics, magnetostatics, steady currents, and time harmonic fields and waves.

CadMOS Design Technology

May 1999 to May 2001

Director of Marketing

San Jose, CA

Responsible for product marketing for Substrate Noise CAD Tool. Developed marketing ideas and executed trade show presence. Conceived, wrote script and managed production of 20 minute tradeshow multimedia project, "Who Wants to be Noise Aware". Wrote press releases, and participated in technical panels.

Publication:

Preventing a "Noisquake"

Ponnappalli, S.; Verghese, N.; Wen Kung Chu; Coram, G.;

Circuits and Devices Magazine, IEEE

Volume: 17, Issue: 6

Publication Year: 2001, Page(s): 19 - 28

IBM

March 1995 to May 1999

Senior Engineering Manager

Hopewell Junction, NY

Managed Computer Aided Design Group. Recruited 13 Engineers/Software professionals. Managed 28 professionals and five products including Detailed Circuit Simulation, Fast Circuit Simulation, Noise Analysis, Extraction and Circuit Checking. Received Outstanding Technical Achievement Award.

IBM T.J. Watson Research Center
Research Staff Member

September 1990 to March 1996

Yorktown Heights , NY

Performed research in utilization of Electromagnetic Analysis Computer Aided Design Tools for Package Analysis, EMI, RF circuit and Antenna Design. Received Two Research Division Awards and Third Plateau Invention Achievement Award.

Select Publications:

A 2.4-GHz Silicon Bipolar Oscillator with Integrated Resonator

Soyuer, M.; Jenkins, K.A.; Burghartz, J.N.; Ainspan, H.A.; Canora, F.J.; Ponnappalli, S.; Ewen, J.F.; Pence, W.E.;

Solid-State Circuits, IEEE Journal of Volume: 31 , Issue: 2

Publication Year: 1996 , Page(s): 268 – 270

Design and Packaging of Antennas for Wireless Systems

Ponnappalli, S.;

Electrical Performance of Electronic Packaging,

1995 Publication Year: 1995 , Page(s): 157 - 159

Multilevel Monolithic Inductors in Silicon Technology

Soyuer, M.; Burghartz, J.N.; Jenkins, K.A.; Ponnappalli, S.; Ewen, J.F.; Pence, W.E.; Electronics Letters

Volume: 31 , Issue: 5

Publication Year: 1995 , Page(s): 359 - 360

A Package Analysis Tool Based on a Method of Moments Surface Formulation

Ponnappalli, S.; Deutsch, A.; Bertin, R.;

Components, Hybrids, and Manufacturing Technology, IEEE

Transactions on Volume: 16 , Issue: 8

Publication Year: 1993 , Page(s): 884 - 892

EMI Prediction Using a Full-Wave Analysis Method Based on a Surface Formulation

Ponnappalli, S.; Heeb, H.;

Electrical Performance of Electronic Packaging, 1992

Publication Year: 1992 , Page(s): 193 - 195

EDUCATION

San Jose State University

San Jose, CA, USA

Bachelor of Arts, Video & Film Production

2008

Syracuse University

Syracuse, NY, USA

1990

Ph.D., Electrical Engineering

Specialization: Numerical Techniques in Electromagnetics. Particularly applicable to the development of Computer Aided Design Tools for analyzing electromagnetic effects.

Master of Science, Electrical Engineering	1988
Major focus in Electromagnetics with a minor in Communications Technology.	
Bachelor of Science, Electrical Engineering	1985

AWARDS

Film Festivals

Best Feature Film – *The Valley* - Long Island International Film Expo, Berlin International Filmmaker Festival, Portland Film Festival, DC South Asian Film Festival, Out of the Can Film Festival

Best Female Director – *The Valley* – Out of the Can film festival

San Jose State University

Richard Parks Award for Outstanding Graduating Senior

Awarded to the student with the highest overall G.P.A.

Harold Crain Award for Outstanding Student Scriptwriting

Awarded to the student with the best feature length screenplay.

Feature Screenplay Finalist California State University Media Arts

Selected out of hundreds of feature length screenplay submissions.

IBM

Outstanding Technical Achievement Award

Awarded for the development of a fast circuit simulation computer aided design tool.

Conceived the project, hired 4 engineers to work on the project, sheperded it's deployment to the design groups in IBM. The tool is the underlying basis of many other CAD tools and continues to be used today in IBM for chip design.

Research Division Award 1996

The award was given for contributions to the wireless LAN product – one of the first of the wireless LANs. Designed and oversaw manufacturing of the 2.4GHz base station antenna.

Research Division Award 1992

The award was given for contributions to EMI analysis in IBM. The software CAD tool developed by me was utilized to mitigate effects of electromagnetic interference in IBM hardware products.

3rd Plateau Invention Achievement award

The 3rd plateau award is given to a Research Staff Member who has been granted 12 patents.

PERSONAL

Enjoys travel, hiking, photography, cooking, skiing and family time. Mother of two with numerous volunteer roles: Member of Woodside Priory School Parent Board, Member Board of Trustees of St. Andrew's School, STAR & Common Ground Speaker Series Representative, Hospitality (14 events for school in one year), Head Room Parent, Co-leader of Girl Scout Troop, Authored K-8 Memory DVD at St. Andrew's, President of Old Orchard Parent Board.