

## **Summary of Qualifications**

Innovative and results-driven Product Leader with over 11 years of experience in AI/ML, consumer electronics, and security. Proven ability to drive product vision and execution in fast-paced, ambiguous environments. Known for launching impactful AI products that accelerate development lifecycles and increase business metrics. Holder of multiple AI-related patents and a passionate mentor and volunteer.

## **Patents**

- Application Decomposition Using Data Obtained From External Tools for Use in Threat Modeling [Filed March 2014, Issued June 30, 2016]
- Adaptable Filtering for Edge-based Deep Learning Models [Filed November 30, 2019]
- Transformers and Generative Adversarial Network for Real-time Music Generation [Filed November 30, 2020]

## **Work Experience**

### **Stealth Startup – Cofounder**

Sep 2023 – Present

- Re-imagining AI Platforms to easily curate, train and deploy large AI models in days with seamless integration of AIOps, data privacy and governance

### **Cruise, Cruise AI – Senior Product Manager Technical**

Jul 2022 – Aug 2023

- Built a new product - continuous learning machine - from conception to launch to accelerate ML workflow for self driving cars, reducing ML model cycle time from months to days

### **Amazon, AWS AI – Product Manager Technical**

Mar 2018 – Jul 2022

- **Product 1:** Led from conception to launch of AWS DeepComposer, world's first musical keyboard powered by machine learning to enable developers of all skill levels to learn Generative AI
- Trained 80k developers within 6 months of launching this product
- **Product 2:** Joined as the founding PM in a startup deep learning team to evangelize a State of the Art machine learning algorithm focused on recommender systems
- Successfully evangelized this machine learning algorithm across five Amazon services including Rekognition and Music, reducing machine learning operation overhead by 50% and boosting business metrics by 25%

### **Amazon, Lab126 – Technical Program Manager, SDE**

Mar 2015 – Mar 2018

- Joined as the founding engineer on a newly formed device monetization team
- Worked across the full spectrum of our startup team, from backend service, device side logic, to frontend renderable; check in process, build automation, to QA test plan; customer onboarding, over the air update, to new hire ramp up
- Prompted to TPM as team and revenue grew in size

### **IBM, Hardware Acceleration Laboratory – Research Engineer**

Jul 2014 – Mar 2015

- Prototyped, designed, and implemented software to replace the current TCP/IP stack of Erlang Distribution with proprietary technology to achieve a 10x improvement for distributed server on the cloud
- Researched, designed, and setup experiment to benchmark Baremetal vs Virtual Machine vs Container for a number of metrics on the IBM cloud environment to determine optimal workloads

### **IBM, Security Systems – Extreme Blue Technical Intern**

May 2013 – Aug 2013

- Collaborated with two technical interns and one MBA intern to build a technical plan and a business case for a product prototype, from conception. Took full ownership of product by planning the user interface, user flow, to database design and backend logic, prioritizing features using Scrum Methodology
- Developed a new way of identifying vulnerabilities and mitigations for applications: an automatic threat modeling tool for the IBM AppScan security team, with five patents pending
- One of the final two teams (out of fourteen) chosen to present a business pitch to the CEO of IBM, Ginni Rometty, at the annual North American Extreme Blue Expo in Armonk, New York

**Richard Lee**  
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**A.U.G. Signal Ltd., R&D Department – Software Engineer Coop** Jan – May 2010, Sep – Dec 2011

- Project 1: Worked on the satellite interferometry project led by the Canadian Space Agency (CSA)
- Implemented abstruse Matlab/C++ algorithms including calculating satellite baselines, removing earth curvatures, and phase unwrapping to get the final interferogram
- Project 2: Worked on the Bomb-suit project led by the Defense Research and Development Canada (DRDC)
- Developed communication, time management, multitasking, and organizational skills while attaining a grade of Outstanding (10 out of 10) on the final supervisor evaluation

**Broadcom, System on Chip – Software Engineer Coop** January 2013 – April 2013

- Collaborated with multiple teams using JIRA to debug complex software/firmware issues related to VoIP application on dsl modems
- Worked on feature improvements such as new country locale support, new daughter cards bring up, individual frequency/voltage/offset support for each country, etc.
- Gained valuable experience in Linux kernel, VoIP systems, SLIC/SLAC daughter cards and hardware integration(semaphore, PCM, DECT, DSP, and ADC)

**Mckesson, Horizon Medical Imaging – Software Engineer Coop** May 2012 – December 2012

- Worked in the Tier-4 Tactical back end server team, my role was to reproduce and solve change request as well as add feature improvement requested from hospitals for our PACS software
- Initiated and deployed PTF packager utility project to make support easier in installing all of the PTFs for customers
- At spare time, helped the research team on the next generation gesture controlled pad for our radiology workstation

## Volunteering

**San Francisco Suicide Prevention – Crisis Counselor** July 2024 – Present

- Hotline volunteer for 988 National Crisis and Suicide Prevention Lifeline

**Angel Flight West – Pilot** June 2022 – Present

- As a private pilot, I volunteer my time to provide free air transportation for hospitals, such as transporting sick patients and delivering medicines

**Civil Air Patrol – Instructor** December 2020 – Present

- As a private pilot, I volunteer to inspire and teach young cadets about flying such as physics, plane mechanics, aviation weather, communication, visual and instrument flight rules

## Education

**University of British Columbia**

Bachelor of Applied Science

Major in Engineering Physics

**Dean's Honor Roll**

**NSERC Undergraduate Student Research Award**

Vancouver, British Columbia, Canada

Sep 2008 – May 2014

CGPA – **82%**

Apr 2009 – May 2014

Jan 2010, Dec 2011, Aug 2013