

Contact

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Top Skills

Debugging

Device Drivers

Embedded Systems

Languages

Hebrew (Native or Bilingual)

Russian (Native or Bilingual)

English (Full Professional)

Patents

Device, system and method of scheduling communications by multiple medium-access-control (MAC) modules

Ella Gevorkov

Senior Wireless SW architect & engineer at Intel Corporation
Israel

Summary

Experienced Senior Software Engineer with a demonstrated history of working in the semiconductors industry. Skilled in Embedded Software, Device Drivers, Perl, C++, and Software Design. Strong engineering professional with a Master of Science -MS from State Engineering University of Armenia and Bachelor of Applied Science - BAsC focused in Computer Software Engineering from University of Haifa.

Experience

Intel Corporation

21 years 7 months

Senior Wireless SW architect & engineer

January 2020 - Present (2 months)

Israel

Intel Wifi team architect and kernel driver expert. In my current role I define Intel WiFi SW architectue; develop and evaluate advanced HW and SW featue prototypes. I work closely with OS vendors and other companies, developing and integrating new products and protocols.

Senior Wireless SW architect & engineer

September 2016 - Present (3 years 6 months)

Portland, Oregon Area

On temporary assignment in the US.

Working with Intel WiFi partner companies and OS vendor, developing and integrating new products and protocols.

Collaboration with WiFi Alliance and other WiFi manufacturing companies on WFA plugfests.

Working with platform on new HW bring-ups.

Working with customers and partners, helping to resolve complicated issues.

Working with graphics team, learning ways to reduce system and specifically WiFi latency to improve end user experience for gaming and video applications. Developed SW simulations to track and investigate WiFi behavior for real video traffic.

Staff Engineer and SW Architect Wireless Windows Driver Group
September 2012 - September 2016 (4 years 1 month)

Haifa Area, Israel

Developed prototypes for HW specific features, exposed to the customer application, including reference application.

Introduced advanced features like various offloads (TCP, LSO etc) and device proprietary functionality.

Supported new spec implementation for several WiFi product generations.

Served the team as an architect and kernel driver expert.

Being the team's technical knowledge champion, organized training series and created self teaching on-line courses.

Senior Software Engineer in Wireless Firmware Group

August 2009 - September 2012 (3 years 2 months)

Haifa Area, Israel

Invested, designed and implemented a time scheduling mechanism that enabled multiple virtual PHY and MAC interfaces over single WiFi device running in real time FW running on ARC processor.

Designed and implemented PHY layer in real time FW running on ARC.

Designed, implemented and supported WiFi scanning and connectivity FW modules.

Supported and maintained Data Path, P2P, PHY calibrations and other FW real time features.

DSP Algorithms Engineer. WiFi modem model development (Matlab, Perl, C++)

March 2006 - August 2009 (3 years 6 months)

Haifa Area, Israel

Developed and maintained Matlab and C++ emulation for WiFi modem.

Developed Beam forming Matlab model for 60 GHz project.

Developed and maintained channel model and range prediction SW package (C++, Matlab, Perl).

SW engineer. RF and system validation for wireless devices, manufacturing SW development.

July 2001 - March 2006 (4 years 9 months)

Haifa Area, Israel

IT Platform Engineering Intern

August 1998 - July 2001 (3 years)

Haifa Area, Israel

Education

University of Haifa

Bachelor of Applied Science - BAsC, Computer Software
Engineering · (1998 - 2002)

State Engineering University of Armenia

Master of Science - MS, Automated Systems and Controls
Engineering · (1988 - 1993)