Ron Handler

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Experience

Senior C++ Software Developer
PTC
2019 - Present

- Developing native and cross-platform analytics client. Adding features including local-storage caching
- Introducing new platforms such as Hololens, Magic Leap.
- Developing cloud-based analytics pipeline for storing events and extracting data from different sources into snowflake data warehouse.

C++ Software Developer
Mantis-Vision
2018 - 2019

- Developed MVX, native volumetric capturing system using OpenCV.
- Tested mission-critical software on a new product development team.
- Maintained cross-platform build system and integrated the software on an Android-based platform.

BigCore Post-silicon validation
Intel
2016 - 2018

- Design and execution of random instruction test regressions on next generation Intel processor architectures.
- Identifying design flaws and unexpected behavior of different core features.
- Debug and root cause bug sightings within pre and post-silicon platforms.
- Bug reproduction, bug fix validation using assembly generation language.

Linux system administration
Intel
2012 - 2016

- Technical lead and shift manager of Compute monitoring control center.
- Monitoring, identification and real-time resolution of crisis incidents in Intel's development environment and infrastructure servers.
- Development of monitoring and automation tools, e.g. tools for monitoring NFS health of file-servers; Exchange inbox mysql connector.

Crime scene investigator
Army service in Israel Police
2006 - 2009

- Evidence collection and fingerprint enhancement using Photoshop.
- Developing a system for fingerprint indexing and lookup.

Skills

Development - C++, Python, Perl, Java, Git, CI/CD, conan.

Scrum methodology - Experience with Scrum process, Jira ecosystem.

Maker | IoT - Setting up Arduino, Raspberry Pi, sensor and computer vision systems.

Notable Projects

Robotic and Big Data Lab, Computer Science Dept., University of Haifa

Developing image calibration system; OpenCV based indoor people detection and positioning system using wifi-enabled cameras.

Final project

Smart-home system utilizing motion sensors, Arduino and mini computers connected to AWS.

Education

University of Haifa   2012-2016
B.Sc in Computer Science.

University of Haifa   2015-2016
Research assistant for Dr. Dan Feldman - Robotic and Big-Data Lab.