

Łukasz Czerwiński

Curriculum Vitae

Contact Info

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Education

- 2005-2010 **Masters of Science**, *University of Science and Technology, Kraków*, Electrical engineering spec. Computer Engineering in Electrical Systems
Scholarship for two years
- 2000-2005 **Electronics Technician**, *Technical college, Tarnów*
Graduated with honors

Masters Thesis

Title *Investigation of dynamic behaviors in circuits containing memory elements*
Supervisors Prof. dr hab. inż. Maciej Ogorzałek

Awards

- 2005 1st place award in the region conquest of "The best technician 2005" for. "Design of magnetics field indicator which allows measurements in high risk environment"
- 2005 Laureate of Young Technician Competition 2005

Publications

- 2011 Study of Bifurcation Phenomena in Memristor Oscillators - NOLTA conference
- 2013 Explorations in the Forest of Bifurcation Trees - World Scientific Pub. Co.

Experience

Vocational

- 2020.10– **Data Engineer**, NOVOZYMES, Warszawa
Present Refactoring ETL Pyspark libraries, maintaining etl pipelines and data warehouse (AWS, Airflow, Python, Databricks)
- 2018.07– **Software Engineer**, NIELSEN, Warszawa
2020.09 Building a worldwide television audience measurement software using platforms such as Spark, Airflow and Amazon AWS
- 2013.03– **Software Engineer**, SAMSUNG ELECTRONICS R&D, Warszawa
2018.06 Detailed achievements:
- [regular] Nacl & WebAssembly Implementation (Python)
 - Build fully automated test framework
 - [regular] Image recognition algorithms optimization for low-end devices (C/C++)
 - Achieved lower by 30% cpu and 15% memory usage
 - [regular] Implementation of the TV/Linux system profiler (like ARM DS-5) (C++/C/Python/Qt)
 - Responsible for CI (Jenkins/Gerrit)
 - Profiler's new features implementation
 - [regular] Development of the proprietary OS for TV's in the TrustZone technology (C/C++)
 - [regular] Development and maintenance of IIO, I2C, SPI, UART subsystem kernel modules (C)
- 2011.01– **Embedded SW Engineer**, COMARCH SA, Kraków
2013.02 Detailed achievements:
- [regular] Firmware development for AVR, XAP5 (CSR Bluetooth) processor families
 - [regular] Embedded Linux Software development (C++/C/Qt)
 - [regular] Research and development solutions based on Atmel QTouch technology (HW & SW)
 - [regular] Android software development (JAVA)

Languages

- Polish Mother tongue
English Intermediate

Interests

- Mountain hiking
- Dance
- Fishing
- MTB cycling
- Jogging