

# CURRICULUM VITAE

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## Summary

- Remote R&D engineer with deep experience in
- Convolutional neural networks
- Computer Vision
- Data science
- Artificial intelligence
- Machine learning
- Image processing
- Pattern recognition
- Pre-sales consulting support

## Technology stack

- ML: TensorFlow, Keras, Scikit-learn, Pandas, Matplotlib, Numpy, SciPy, TimeSeries
- ComputerVision: OpenCV, Pillow, Tesseract
- Math: Python, Matlab, R
- C++: WinAPI
- 3D: DirectX, OpenGL
- SQL: MySQL, Oracle, PostgreSQL
- NoSQL: MongoDB
- Web: Postman, Fiddler
- IDE: PyCharm, MS Visual Studio, NetBeans, IDEA, KDevelop
- CASE tools: Visual Paradigm for UML, Rational Rose, Enterprise architect
- Version control: Git, SVN, CVS
- Doc: Doxygen, JasperReports
- ERP\CRM: Cognos, Jira, SugarCRM
- Agile: Scrum, XP, FDD, TDD

## Education

- 2002-2005: Cybernetic Center of the National Academy of Science of Ukraine, PhD
- 2002 : Dresden Technical University (Germany), faculty of artificial intelligence
- 1996-2002 : National Technical University of Ukraine, physical & engineering faculty, MD

## Experience

### 2017 – now: Star.global

#### Activities

- Running various engineering projects
- Day to day cooperation with product team and project stakeholders
- Post-production support of the products: maintenance and improvements
- Addressing and resolving issues escalated from end users
- Continuous improvement of the product: system design, UX, functionality and features
- Managing of prioritized product roadmap and backlog
- Enhancing and following best engineering practices for CI/CD/Test automation/Performance testing

#### Technologies/tools/frameworks

- Python
- Git, Jenkins, Jira
- CI/CD/Test automation, Performance testing

## 2013 – 2017: Zoral Labs

### Projects

- Implementing Decision engine for customer's online e-lending systems
- Business rules management for credit risk decisioning

### Activities

- R&D
- Software engineering
- Requirements management
- System design
- Project delivery management
- Managing of prioritized product roadmap and backlog
- Enhancing and following agile-based best-practices
- Pre-sales consultative support

### Technologies/tools/frameworks

- Python, Git, Trac, Wiki
- R, AI/ML models' library

## 2009 – 2013: Luxoft

### Projects

- Reference Data Services – development of master data management tools. Development of Data Warehouse architecture guiding principles.
- Operations Portal – developing of BI tools for analysis of capacity, cost per trade, resource utilization and other performance indicators (KPI's) for Global Business Solutions.

### Activities

- Running multiple projects (data mining tools, analysis of transaction costs impact, trade management lifecycle, incident management, reference data management)
- Adopting Agile Delivery practices in rapidly changing, collaborative business environment
- Establishing processes for secure, high-quality service-oriented deliverables
- Building a strong, engaged core team of business SMEs, resource optimization
- Ensure timely project resource management

### Technologies/tools/frameworks

- Java, C++, JS, Python, Git, Gerrit, Jira, Wiki, WebKit, Enyo
- Informatica, MDM Hub, PegaRules
- Flex, Oracle, Java, IBM Cognos, QlikView

## 2007 – 2009: ITT-consulting

### Activities:

- Running various types of projects (R&D, VoIP, ERP, CRM, Web, etc.)
- System/architecture design
- Researching of technology trends and innovation in AI/ML
- Customer communication, technical requirements specification
- Development and implementation of corporate IT-strategy
- Pre-sales consulting

### Technologies/tools/frameworks:

- C++, Asterisk
- DirectX
- Sugar CRM, Joomla, MySQL

## 2006 – 2007: Innovative marketing

### Activities:

- Implementing of expert decision-making system to optimize targeted marketing for clients.
- Forecasting of customer purchasing capabilities and analysis of target advertisement
- People coordination and management, outsource team management
- Achieved target revenue and gross margin quotas via production chain improvement
- Provided internal trainings (UML, software design, risk management, statistical pattern recognition)

### Achievements:

- Effective target marketing strategy that improved profit up to 40%
- Analytical tools for aligning multi-channel advertisement strategy according to clients target customer groups/segments

### Foreign languages

- English – fluent
- Russian - fluent
- German – basic level

### Contacts

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