


DISTINCTION M.SC. DEGREE IN COMPUTING SCIENCE
DISTINCTION M.SC. DEGREE IN FINANCIAL ENGINEERING
8 YEARS OF PROFESSIONAL EXPERIENCE

MR IVAN AVANESSOV

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Software Engineer well-versed in technologies, who is writing clean dry code and efficiently utilising existing tools
Ambitious and **continuously self-educating** team player with **passion** for agile software development

PROFESSIONAL SKILLS (education, work, self-study)

▪ VBA	▪ Python	▪ MySQL	▪ C++	▪ Java	▪ Algorithms
▪ OOP	▪ Calculus/Math	▪ Oracle	▪ JavaScript	▪ VMware	▪ Linux
▪ HTML5/CSS	▪ Data Structures	▪ Nginx	▪ Android Studio	▪ AWS	▪ Asynchronous
▪ Agile	▪ IoT	▪ Spring Boot	▪ Web APIs	▪ MS Office	Processes

EDUCATION

M.Sc. Computing Science (2015 – 2016) Imperial College London
LONDON, UK

- Course average: 79.5 (Distinction)
- Thesis: Fault-Tolerant Control Systems for Nanosatellites in Low Earth Orbit (low-level memory manipulation, I2C etc.)
- Group Project: Wealth Management of Tomorrow (iOS application for RBC with front- and back-end)
- Databases, Robotics, Algorithms, OOP, Concurrency etc.
- Exposure to: C, C++, Swift 2.0, Python, Java, SQL, MatLab

M.Sc. Financial Engineering (2012 – 2014) Birkbeck College
LONDON, UK

- Course average: 87 (Distinction)
- Thesis: Pricing European and Bermudan Swaptions: Hull-White and Black-Karasinski
- Mathematical Methods exam score 100
- Exposure to: C++, MatLab
- Econometrics, Risk, Pricing, Stochastic Calculus etc.

B.Sc. Economics and Finance (2007– 2011) Stockholm School of
Economics
RIGA, LATVIA

- Course average: 67.4 (2.1 Equivalent)
- Thesis: Automated Trading in the Context of the Baltic Stock Markets (in C++, HFT, Bollinger bands)
- Topics: Financial analysis, corporate finance, derivatives, accounting, statistics, research methods etc.
- Extensive amount of group work and teaching experience
- Exposure to: C++, MS Office, SPSS, STATA

B.Sc. Economics and Finance (2009) State University-Higher
School of Economics
MOSCOW, RUSSIA

- Exchange student representing Stockholm School of Economics (full HESP Scholarship)
- Excellent results in all subjects

High School (A levels) Ahtme Gymnasium
ESTONIA

- Award winner in many competitions on state levels (sciences and languages), achievements in mathematics.
- Graduated with honours

Additional Qualifications

- CFA Level 2: Pass (2015)
- ACCA: Pass 6 exams (2011)

WORK EXPERIENCE

Associate Middle Office (Nov 2017 – present) EBRD
LONDON, UK

- Substantial task optimisation and/or automation with Python and VBA (Excel, Bloomberg, Summit, Oracle SQL)
- In-house Market Data Repository maintenance, update and enhancement (MySQL, Oracle) and various data derivation
- Collaboration with Treasury, Quantitative Development and Quantitative Analytics teams
- Trade support

Analyst EPMU (Jan 2013 – Oct 2017) EBRD
LONDON, UK

- Task optimisation and/or automation with VBA (Excel, Bloomberg, Outlook; Bank-wide projects)
- Representation of the team in all IT related issues
- Management, guidance and training junior team members
- Equity portfolio performance analysis (e.g. to the Board)
- Financial models' preparation and audit (e.g. DCF & DDM)

Senior Officer (Nov 2011 – Jan 2013) EBRD
LONDON, UK

- Task optimisation and/or automation with VBA (Excel)
- Interpretation of convoluted legal documentation to assist Treasury teams with funding details
- Processing disbursements, rollovers, invoices and amendments in accordance to documentation
- Liaison with internal and external clients
- Management of defaulted loans

Finance Officer (Sep 2010 – Jul 2011) Central School of English
LONDON, UK

- Assistance with various IT queries within small team

Other Employments and Internships:

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| ▪ Eesti Energia (ESTONIA) | ▪ BIG Bank (ESTONIA) |
| ▪ Swedbank (ESTONIA) | ▪ GatewayBaltic (LATVIA) |

LANGUAGES

- English: fluent, business, academic
- Russian: native, business
- Estonian: very good

OTHER INTERESTS

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| ▪ Education | ▪ Basketball |
| ▪ Online courses | ▪ Piano |
| ▪ Technology | ▪ Card magic |