Pavel Berkovich

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Education

2013–2016   **University of Cambridge**, *BA (Hons.) in Computer Science*.
Class II, Div. 1 – Predicted Grade, *Top first-year result in College*
Relevant courses: *OOP, Algorithms, Operating Systems, Computer Networking, Security, Concurrent & Distributed Systems, Databases, Artificial Intelligence, Compiler Construction*

2012–2013   **INTO Manchester College**, *International Foundation Programme*.
Mathematics (A*), Further Mathematics (A*), Physics (A*), Research Module (A*).
Best overall result in the year.

2010–2012   **Lyceum 1580 at Bauman Moscow State Technical University**, Moscow, Russia.
Mathematics (85/100), Physics (96/100), Computer Science (84/100), Russian (98/100).
Consistently ranked among the top 10 students out of the total of 319.

Technical Skills

Programming Languages

Level	Language	Details
Confident	**Java**	*Core Java SE, Swing, JUnit*
Confident	**C/C++**	*ANSI C89, C++ 11, STL, Boost, POSIX Threads, BSD Sockets*
Confident	**Python**	*Core Python, twisted, Flask, gtk*
Intermediate	**Perl**	*Core language, CGI*
Intermediate	**Objective-C**	*Cocoa, CFNetwork, SecureTransport, GCDAsyncSocket*
Confident	**Standard ML**	*Poly/ML*
Intermediate	**MATLAB**	*Basic syntax, plotting functions, file processing*
Intermediate	**BASIC**	*QBasic*
Basic	**Turbo ASM**	*Some basic functions, registers and interrupts*

Tools

- git
- gcc
- openssl
- LATEX
- make
- zsh

Employment History

June-August 2015   **Morgan Stanley**, *Technology and Data*, FX Desk (Fixed Income),
Technology Summer Analyst.

June-August 2014   **University of Cambridge Computer Laboratory**, *Systems Research Group*,
Software Engineering Intern.

Project Experience

Matrix Fusion

As part of a summer internship at Morgan Stanley, worked on the Matrix **e-trading platform**, in particular the **FX orders** part. Tasks included improving availability of the system (in Python), and developing a web-based tool to track clients' orders (in Perl).

Events@CL

Was the **Project Manager** and Senior Developer in a student effort to build a **local positioning service** based on Bluetooth Low Energy (in Python), and then use it to develop a mobile application for location-based teaching (in Java).

SBUS

As part of a summer research internship, worked on **middleware** to help simplify managing secure network connections and abstract away I/O complexity (in C++ and Objective-C).

Pascal Code Formatter

In response to a school teacher's request, wrote a **code formatter** (similar to UNIX's indent) for Pascal programming language (in C).

Professional Development and Additional Skills

Continuing Education Courses

December 2014	**Programming in Python**, *Computer Training Center at Bauman Moscow State Technical University*.
February 2012	**Basics of networking and network operating systems**, *Computer Training Center at Bauman Moscow State Technical University*.
January 2011	**Programming in C**, *Computer Training Center at Bauman Moscow State Technical University*.

Additional Qualifications

June 2011	**Diploma in Computational Programming**, *Bauman Moscow State Technical University*.

Languages Known

Russian	Native Speaker
English	Fluent (including technical)

Personal interests

Financial Markets	Enjoy reading the relevant press. Was part of the Relative Return Fund at Cambridge University Finance and Investment Society.
Basketball	District champion as part of school basketball team. Currently the captain of the College team. In 2014/2015, led the team to win all games in the regular season.

References

Available upon request