

Pavel Berkovich

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Education

- 2013–2016 **University of Cambridge**, *BA (Hons.) in Computer Science*.
2013/2014 – Class II, division 1, 2014/2015 – Class II, division 2
Top first-year result in College
- 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

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

Tools

- | | |
|-----------|-----------------------------------|
| ○ git | ○ L ^A T _E X |
| ○ gcc | ○ make |
| ○ openssl | ○ ksh |

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 , <i>Computer Training Center at Bauman Moscow State Technical University.</i> |
| February 2012 | Basics of networking and network operating systems , <i>Computer Training Center at Bauman Moscow State Technical University.</i> |
| January 2011 | Programming in C , <i>Computer Training Center at Bauman Moscow State Technical University.</i> |

Additional Qualifications

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|-----------|------------------------------------------------------------------------------------------------|
| June 2011 | Diploma in Computational Programming , <i>Bauman Moscow State Technical University.</i> |
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Languages Known

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|---------|------------------------------|
| Russian | Native Speaker |
| English | Fluent (including technical) |

Personal interests

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| 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