

Name:

Dmitry Briliuk

Objective:

To obtain a position of researcher/software developer in area of image processing and recognition;
or database software developer;
or Palm platform software developer;
or something else satisfying your needs.

Personal

Date of birth: March, 22, 1978

Citizenship: Republic of Belarus

Marital status: Married

Driver's license: None

Address:

Republic of Belarus, Minsk, 220012, Akademicheskaya street, 3, 45

Phone number:

+375 29 6842161 (mobile), 8 029 6842161 in Belarus

284 21 61 (work)

Web page:

<http://handysolution.com> (english), <http://handysolution.com/rus> (russian) – my developments for Palm platform (personal and business software related with databases)

<http://neuroface.narod.ru> – scientific articles on face recognition, neural networks, image processing; face recognition demo using neural networks

<http://metalwarrior.narod.ru> – homepage, some articles before post-graduate courses

E-mail:

bdv78@mail.ru (most used)

dbriiuk@newman.bas-net.by (work)

Work experience

November 2000 – present time – Institute of Engineering Cybernetics, National Academy of Sciences of Belarus. PhD student, junior research fellow

February 2001 – December 2001 – IDLab company. Software developer for Palm platform (personal and business software related with databases)

Projects

November 2000 – present time, Institute of Engineering Cybernetics, National Academy of Sciences of Belarus

PhD thesis “Face Recognition Using Neural Networks”, <http://neuroface.narod.ru> and accompanying scientific and research work

Technologies: image processing and recognition, neural networks, pattern recognition, statistics, image compression, biometrics

Used tools: Borland C++ Builder, Microsoft Visual C, Matlab, MS Word, Adobe Acrobat, GSView

2001-2002 – Independent projects with different companies (Health Guard /Russia/, IDLab-Moscow and others) related with Palm platform, databases and wireless technologies.

February 2001 – December 2001, IDLab company

Development of “Rapid Database/Application Development Library for Palm”.

Development of database applications for Palm platform and PC-modules for such applications.

<http://handysolution.com> (english), <http://handysolution.com/rus> (russian)

Technologies: relational databases, database programming, Palm platform programming

Used tools: CodeWarrior, Satellite Forms, Borland C++ Builder, MS Access

February 2000 – May 2000

Expert system for automated diagnosis of digital circuits, Diploma project

Technologies: signature analysis of digital circuits, digital circuits modeling

Used tools: Borland C++ Builder, signature analyzer

Details of experience

Image processing

Technologies: image preprocessing, image enhancement, image compression

Software: Borland C++ Builder, Microsoft Visual C, Matlab

Experience:

1. gamma-correction, creating low-level procedures
2. histogram equalization, creating low-level procedures
3. extracting principal component from a set of images (image compression and feature extraction), creating low-level procedures
4. fast 2D Fourier and cosine transforms (image compression and feature extraction), creating low-level procedures
5. using Matlabs procedures for image enhancement
6. Image resolution changing using own developed procedures using Matlab
7. overview of literature, writing scientific articles

Image recognition

Technologies: image recognition, feature extraction

Software: Borland C++ Builder, Microsoft Visual C

Experience:

1. using neural networks for image compression (extraction of principal components), experimental-research work, creating low-level procedures
2. face recognition by principal component analysis, experimental-research work, creating low-level procedures
3. neural networks for face recognition and access control, experimental-research work, creating low-level procedures
4. overview of literature, writing scientific articles

PC platform programming

Technologies: DOS and Windows programming, API, assembler, OWL, MFC, VCL, databases

Software: Borland C++ Builder, Microsoft Visual C, Delphi, Turbo C, Turbo Pascal, Basic, Turbo Assembler, Turbo Prolog, FoxPro, Excel
 Experience: This is a primary experience used over ten years in all my works, PhD course, university and school

Palm platform programming

Technologies: PalmOS API, database management for Palm, data exchanging with PC

Software: CodeWarrior, Satellite Forms, Borland C++ Builder, Access

Experience:

1. creating library for rapid database and application development for Palm
2. designing and creating database applications for Palm
3. creating PC-modules for data exchange with Palm applications
4. creating user manuals

Database programming

Technologies: relational databases, designing and programming database structure and applications, DAO, BDE

Software: Borland C++ Builder, FoxPro, Access

Experience:

1. Developing average database application using FoxPro
2. Designing database structure for Palm applications
3. Developing PC database modules for data exchanging with Palm application and moderate data processing

Creating web-pages

Technologies: HTML, JavaScript, Perl/CGI

Software: NotePad, Internet Explorer

Experience: Designing and creating average home pages and sites for software distribution and sales

Programming languages

<i>Programming language</i>	<i>Level</i>
Borland C++ Builder	The most strong experience. Developing software systems, scientific experiments, databases, VCL, API
Microsoft Visual C/C++	MFC, API, developing small and average systems, DLL's
Matlab	Moderate programs. Image processing, enhancement and recognition, scientific reports.
CodeWarrior (C/C++)	Strong experience. Developing database applications for Palm.
Satellite Forms	Moderate experience. Databases for Palm.
Borland C/C++, Turbo C	Small and moderate programs
Delphi, Turbo Pascal	Small programs
FoxPro	Small databases
Basic	Small programs
Perl/CGI	Small programs
HTML, JavaScript	Small and moderate sites

Assembler x86	Small programs
Turbo Prolog	Small programs
SQL	Small queries

Education

Graduate of Belorussian State University of Informatics and Radioelectronics (BSUIR), faculty of intelligent control systems, specialization: artificial intelligence, software developer

PhD student of Institute of Engineering Cybernetics, National Academy of Sciences of Belarus. Specialization: system analysis, information processing and control.

Certificates

Reviewer-translator of English technical literature, excellent mark, English language department of Belorussian State University of Informatics and Radioelectronics

PhD minimum in English Language, excellent mark, English language department of Institute of Engineering Cybernetics

Foreign languages

English – reading technical literature and specialized/scientific articles, writing scientific articles and manuals for software, little speaking

Russian – native

Used platforms and operating systems

IBM PC

MS DOS

MS Windows 95, 98, 2000

PalmOS

Used programs

MS Windows, MS Office, Visio

Additional information

My strengths: I like creative and research work, like to learn and develop new things.

Additional knowledges, which I would like to acquire: image processing and recognition, modern multimedia technologies, biometrics systems, artificial intelligence

Hobbies: Palm programming, artificial intelligence, cryptography, quantum computers

Date:

December, 4, 2002