

Maxim Factourovich

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Willing to relocate to: New York, NY - Israel - Seattle, WA

Authorized to work in the US for any employer

WORK EXPERIENCE

Entrepreneurship

Entrepreneurship - 2012 to Present

- Aircraft leaseback & flight training @ Sundance Aviation, Richland, WA (KRLD).
- Online retail store ownership/management.
- High-frequency, automated FX/CFD trading (MQL algorithms).

Graduate Research Fellow

Columbia University - New York, NY - September 2010 to May 2015

A key participant in the quantum squeezing experiment performed at LIGO-Hanford Observatory. Duties included working with linear & non-linear optics, optoelectronics, TTL, FPGA & PCB prototyping, PLL & feedback loops, CAD (Rhino, AutoCAD, SolidWorks), software development (Delphi/C/C++, TwinCAT ST, VHDL, Matlab), data analysis & modeling (Mathematica, Matlab, Delphi, GNUPlot), data acquisition & control systems (Beckhoff® EtherCAT, EPICS/MEDM).

Teaching Fellow

Columbia University - New York, NY - 2008 to 2009

Recitations, scheduled laboratory & Physics Help Room sessions, grading duties.

Research Fellow

LSC, LIGO - Hanford, WA - 2007 to 2008

Project topic: "Design & Implementation of the Advanced LIGO Timing System"; including FPGA (Altium), circuit design (Protel), assembly & testing.

Summer Research Volunteer

Columbia University - 2005 to 2005

2005

Gel electrophoresis, PCR, DNA sequencing, data analysis & contig assembly.

EDUCATION

Ph.D. in Physics

Columbia University - New York, NY

2008 to 2015

Bachelor's in Biology, Physics, Mathematics

Columbia University in the City of New York - New York, NY

2002 to 2007

SKILLS

Aeronautics (4 years), Programming (8 years), Electronics (8 years), Computer Hardware (10+ years), Computer Skills (10+ years), Organizational Skills (9 years), Construction (5 years), Management (5 years), Teaching (2 years), Stage Management (5 years)

ADDITIONAL INFORMATION

INTERESTS

Entrepreneurship, trading/investment, management, robotics, AI, hi-tech, biotech/bioengineering, 3D/4D prototyping, sports, travel