Hakan GÜZELGÖZ
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Nationality: Turkish and French
Male, 38 years old, married, car driving license (B), excempt from military

Background

- Entrepreneur minded, I like to take on new business and new challenges.
- As a multi-disciplinary business oriented person with technological skills, teamwork, self-motivation and good relationships are key for me.
- Background in financial mathematics, risk analysis, fund management, Internet technologies and marketing.

Work Experiences

- May 2013 – Now: **CEO & Co-Founder, 3BFab, Istanbul, Turkey** – www.3bfab.com
Sector of Activity: 3D Printing and 3D Scanning.

I became passionate about 3D Printer when I first saw the Makerbot desktop 3D Printer. 3BFab provides 3D printing and 3D scanning solutions and services to various sectors such as manufacturing, education, jewelry and medical.

- Jan. 11 – Jan 2013: **Owner & Founder, Hezen Cave Hotel, Cappadocia, Turkey** – www.hezenhotel.com
Sector of Activity: Hotel Industry – Family owned 15 rooms boutique cave hotel

We've managed the entire project of restructuring an old house into a design boutique Cave hotel. I was involved in the restoration, managing staff member as well as managing the marketing activities. After the second year of activity, Hezen Cave is placed among top boutique hotels in the region and have won the *Best Small Hotel of Turkey* award of TripAdvisor in 2014 and 2015.

- April 06 – July 2010: **CEO & Co-founder, Koelo Technologies Ltd., Dublin, Ireland**
Sector of Activity: Financial services software provider, Information Technology & Web 2.0

I've co-founded Koelo Technologies to provide trading software solutions for Financial institutions. The company raised private and Enterprise Ireland investment in 2006 and diversified its activity in Web 2.0 product development in 2008. The core product of the company was the FIX Station – a real-time multi-counterparty trading and FIX connectivity solution between fund managers, institutional brokers and fund administrators. It was licensed to several Financial institutions including Bank of Ireland Securities Services.

- June 05 – March 06: **Head of the Quantitative Research, MPS Asset Management, Dublin, Ireland**
Sector of Activity: Financial services, Mutual Fund & Funds of Funds Management

I was in charge of the Research & Development team. The objectives of the team was to build tools to analyse, monitor risks, track benchmarks, use quantitative methods in building portfolios and bring automation to the overall funds management activity. Aside from Equity funds, I've also designed strategies for the Fixed Income and FX funds.

- Feb.03 – June 05: **Senior Quantitative Research analyst, MPS Asset Management, Dublin, Ireland**
Sector of Activity: Financial services, Mutual Fund Management

Research in financial mathematics and design of applications for the use of the strategy and management desk. Design and implementation of the followings:

- Portfolio construction tools using clustering and Bayesian techniques
- Trading & Execution cost analysis and quantitative broker selection
- Industry groups, Factors, Country Rotation analysis & strategies
- Quantitative & Qualitative Benchmark selection for new funds.

- February - July 02: **Quantitative analyst, Bank N.S.M.D. – ABN AMRO, Paris, France**
Sector of Activity: Financial services, Fund management & Private portfolio management

I was in charge of risk optimization and quantitative analysis at the trading desk. Development of methods to pick European and American stocks using a top-down approach.

- June - August 01: **ASP programmer, FIAT GSA, Paris, France**
Sector of Activity: Automobile industry, Information Technology

Design and development of the FIAT Auto France's Intranet site for the large accounts using their ORACLE database and programming in Visual Basic and ASP technology.

- April-July 2000: **Research assistant, Elf Exploration Production, Pau, France**
Sector of Activity: Oil exploration, Research & Development

Comparison of different 3D spatial regression methods of geological variables in order to choose the optimum algorithm and use it for the simulation of oil reservoir.

Lecturing & Speaker at Conferences

- Sept.07 – June 08: **Lecturer in Finance at the National College of Ireland, Dublin, Ireland**
Asset management, risk management and trading strategies.
- November 2004: **Lecturer at the Finance Master of the University of Brescia, Brescia, Italy**
Quantitative finance, risk budgeting and Bayesian portfolio construction: Matlab application.
- October 2003: **Speaker at AIFIRM Conference, Risk Management Association, Milan, Italy**
Risk budgeting for a "parsimonious" quantitative equity portfolio.
- November 2003: **Lecturer at the Finance Master of the University of Brescia, Brescia, Italy**
Quantitative Investment Process, Risk budgeting and Clustering techniques.

Education

- 2001 – June 2002: Postgraduate Engineer in financial mathematics, INSA engineer school, Toulouse, France
Graduation project: Identification of variations on the futures of interest rates with Markovian & GARCH models.
- 1999 – June 2000: Graduated in applied mathematics (Master), University of Pau, France
Research project: Studying and simulation of the Generalized Negative Binomial laws in collaboration with C.C.Kokonendji. The results have been published in a statistical journal.
- 1998 – June 1999: Mathematics degree at the University of Pau, France
- June 1996: High-school (Science baccalauréat), "Pierre Loti Lisesi" - French high-school of Istanbul, Turkey

Executive Courses & Conferences

- June 2006: Web 2.0 Conference, Dublin, Ireland
- June 2005: Global Finance Conference 2005, Trinity College, Dublin, Ireland
- April 2005: Global Risk Management Summit, Risk Magazine, Monte Carlo, Monaco
- March 2005: INQUIRE Joint UK and European Seminar, INQUIRE, Dublin, Ireland
- September 2004: Quantitative Conference, Citigroup, Rome, Ireland
- April 2004: Risk Europe, Risk magazines, London, UK
- October 2003: Risk Management Conference, AIFIRM (Italian Risk Management Association), Milan, Italy
- October 2003: Implementing Quantitative Techniques for Financial Markets,
FAME Executive Courses in Finance, Geneva, Switzerland

IT Skills & Languages

IT Skills

- Financial Software: Bloomberg, MSCI BARRA, Factset, Datastream.
- Programming: Matlab (Mathematical computing), Python, Java, .NET, PHP.,
- Web: AJAX, CSS, Javascript, Node.js
- Databases & Web Frameworks: MongoDB, MySQL, Access, Apache Web Server, Cherrypy, Web2py.
- Indexer: Apache SOLR, Apache Lucene.
- Protocols: FIX (Financial Information Exchange) Protocol, XML, XSLT, ATOM, RSS, JSON.
- Cloud Computing: Amazon Web Services, Amazon S3 Storage, Google applications.
- Internet Marketing: Search Engine Optimization (SEO), Search Engine Marketing (Google Adwords), Facebook Ads.

Languages

- French: Mother tongue
- Turkish: Mother tongue
- English: Fluent
- Italian: Advanced
- Russian: Beginner (Learning)

Hobbies & Other

- Special interest in 3D Printing technologie, Internet (Open-source, E-commerce, Social web) and marketing.
- Participating to conferences and events (MakerFaire, 3D Printing events, Cloud computing, Web, Start-up week-end).
- Activities and readings: Travelling, Chess, Motorcycling, Reading research papers, blogs and books.
- Industry associations & memberships:
    - FIX Protocol Association,
    - INQUIRE UK (The institute for Quantitative Research in Finance),
    - AIFIRM (Italian Risk Management Association).