

Darius P. Tarsio

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To Human Resource Management:

I received my MBA in international business from the University of Dallas and my Electrical Engineering degree with emphasis on computer science from Ohio University. I have more than 15 years work and consulting experience which required knowledge in multiple engineering fields including Electrical and Mechanical Engineering, Computer Science and Technical Management.

In the beginning of my career I was a technical staff member working as a semiconductor designer and programmer. My primary duty was integrating semiconductor design tools by writing various parsers, maintaining servers and evaluating software for our team. Eventually I moved on as an engineering consultant with focus in renewable energy. I worked as a project manager for commercial renewable energy construction projects and began working on various engineering product develop projects.

After several years in renewable energy, I returned to information technology and computer science projects which is my career preference. I worked as an engineering consultant and my primarily focus was programming. My projects consist of advanced web design and database integration, server deployment and maintenance, high security applications, micro-controller programming, front end web integration for IOT applications, PC board development for IOT devices and advanced CAD design. In the last three years with the push for encryption I have been working on cryptography and blockchain programming projects.

I have also worked as an engineering instructor and have provided some international consulting in both Central and South America giving me the opportunity to live abroad and understand needs and cultural differences.

My background and skills are very strong in computer science, problem solving, renewable energy, engineering analysis and project management. I have worked with many successful teams as an engineer and I look forward to combining my technical skills for your organization.

I would be delighted to make myself available for a personal interview at your convenience and would be glad to provide you with any additional information needed.

Sincerely,
Darius P. Tarsio

Darius P. Tarsio

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OBJECTIVE

To attain a position where I can provide excellent management and technical services by utilizing my experience and skills in engineering, computer science and business administration

PROFESSIONAL EXPERIENCE

OKLAHOMA ROBOTICS LLC, Mustang, OK

Senior Development Engineer

www.okrobotics.com

October 2019 – present

- Front and back end software design using open source and frameworks
- Product development advanced CAD design
- PC board design, layout and coding
- Manage customer engineering projects
- Set up manufacturing and prototyping
- Repair and program manufacturing equipment
- Set up and manage corporate IT tools such as Asterisk & OpenProject
- Build prototypes using industrial equipment such as welding, CNC, injection molding
- Plan and discuss software design and project management with clients

DEXA RESOURCES LLC, Wichita Falls, TX

General Manager

www.dexaresources.com

June 2015 – September 2019

- Computer science consultancy services
- Blockchain and advanced encryption application development
- Experience in more than 10 programming languages and platforms
- IT Consulting; Engineering Consulting; Environmental Consulting
- Utilizing multiple programming and operating system platforms
- “Internet of Things” – Integrating hardware with internet connectivity
- Microcontroller device integration such as Raspberry Pi, Arduino and PIC
- SSL integration server client encryption algorithms
- Port forwarding, tunneling, proxies sockets and DNS masking automated configurations
- Node.js asynchronous event-driven I/O server-side JavaScript environment integration
- Magento and E-commerce platform integration and custom module creation
- Integration and programming of PLC – programmable logic controllers
- SOAP, REST and cPanel API integration
- BI & Big Data Development; Database Development
- ERP – Enterprise Resource Planning
- CRM – Customer Relationship Management
- Microsoft Software Development

- Software Integration & Customization
- Prototyping / 3D Printing; CAD – Computer Aided Design
- CAD Modeling / Library Development
- QA – Quality Assurance; Technical Blogging
- Staff Augmentation; Offshore Outsourcing
- Business Process Outsourcing
- Java & C++ Development; Mobile Applications Development
- Manufacturing Development; Reverse Engineering Services
- QA – Production and software quality assurance
- Technical product manuals and technical blogging

HELIOS ELECTRIC LLC, Dallas, TX

September 2006 – June 2015

General Manager

www.helioselectric.com

Renewable Energy:

- Environmental consulting; Commercial & residential renewable energy engineering projects
- Mechanical engineering design; Electric vehicle parts & structural mounting devices for renewable energy projects
- Provided integration and electrical consulting services for grid and off grid connected power systems
- Solar and wind power installation; Renewable construction logistics management
- Renewable energy product development and manufacturing; Development of energy storage devices
- Engineering design and planning for utility connection

Construction & Engineering:

- Project budgeting, negotiation and quotation; Managing electrical construction and construction teams
- Commercial steel buildings construction
- Managing multiple construction crews to complete building erection
- Concrete foundation forming, rebar and pour
- Operation of heavy equipment and specialized tools such as backhoes, skytrak and scissor lifts
- Metallurgy and professional high precision machining; Structural welding
- Electrical, plumbing, waste and other utility design, management and installation
- 3D CAD design including moving assemblies and commercial construction layouts
- Teaching – hands on engineering trade courses, CAD design, product design and development, business engineering
- Single phase & Three Phase commercial electrical design and installation
- Building client relationships, building supplier relationships and improving logistics

STAGEDELIGHTS LLC, Dallas, TX

July 2007 – July 2011

Technical director of event planning and management

- Corporate event planning
- Stage and lighting set up and teardown
- Operation and repair of high end stage equipment
- Intelligent lighting design
- Venues of 1000 and more

LONE STAR PERCUSSION, Dallas, TX

June 2006 – July 2007

Web Ecommerce Developer / Systems Administrator / IT Consultant

www.lonestarpercussion.com

- Website and database development
- Business process and logistics improvement

SRI INTERNATIONAL, Princeton, NJ

June 2001 – November 2004

GEM - IC Emulation ASIC Design, Associate Member, Technical Staff

- Coded Unix and PC tools, used in design flow, to increase speed and productivity
- CMOS logic schematic designs, burn-in designs, layout, and LVS checks for military parts
- Developed digital libraries from modeling through characterization
- Analyzed and modified modeling parameters to produce low error curves and accurate models
- Semiconductor laboratory layout, design, management and maintenance
- Set up and maintained circuit debugging laboratory equipment and PC hardware
- Set up equipment such as metal working machining and semiconductor test equipment
- Evaluated and installed various software packages for our design team
- Operated Nd:YAG lasers and aligned laser optics
- Etched glass with HF to prepare parts for probing
- Trained in industrial laser safety

RADIO SHACK, Nanuet, NY and Nyack, NY
Sales Associate / Assistant Manager

July 1998 - May 2001

- Provided service to retail customers regarding electronic equipment and components
- Participated in highly competitive commission based sales
- Supervised night staff of employees

EDUCATION

Master's in Business Administration – International Business
UNIVERSITY of DALLAS, Irving, TX

April 2008

MBA Projects:

- CAPM models, Ibbotson historical returns, WACC, CCC, and EVA calculations for company profile analysis
- University department business process mapping and business process improvement mapping
- Several creative management improvement techniques and leadership projects to maximize work flow
- Detailed financial ratio analysis and predictions for a company profile
- RFID detailed marketing plan with pricing, ROI, break even, and future product strategies
- Supply chain management and improvement techniques
- International business development and supply chain improvement
- Renewable energy systems research, design and installation
- International product advertising
- Product Import/Export and customs border control considerations
- International finance - arbitrage, speculation, etc.

Bachelor's of Science – Engineering – Electrical and Computer Science
Dean's List, Academic Achievement Award
OHIO UNIVERSITY, Athens, OH

March 2001

Senior Design Project:

- Developed GPS navigation system for Palm Pilot
- Performed serial port coding in C using CodeWarrior

Photovoltaic Systems – Installation and Maintenance
FARMINGDALE UNIVERSITY, Farmingdale, NY

February 2006

- Intensive study of photovoltaic system design, maintenance, and safety
- Sizing up photovoltaic systems depending on load, amount of sun, and detailed solar cell specifications
- Backup battery design and maintenance
- Hands on installation of solar arrays, inverters, and back feeds

- OSHA, NEC code requirements and interconnection requirements
- Proper use of roof safety devices, data loggers and sun finders
- Provide educational solar/wind power seminars for the public

PROGRAMMING AND SOFTWARE

3D CAD, Autodesk Inventor, SolidWorks, Mastercam CAD/CAM, G-Code, C++, Borland C++, C, HTML, GDB, XEMACS, PICO, VI, AWK, VHDL, TCL, WinTcl, Ample, Perl, Assembly, Visual Basic, Scripts for Unix and PC circuit design tools, ASP, PHP, SQL, Microsoft Access, All Microsoft Office Tools, Hspice, Cadkey, Matlab, Xilinx, CodeWarrior, Telnet, Ftp, .NET, C#, PIC programming, Node.js framework, Laravel framework

Mentor Graphics Circuit Design and Simulation, Mentor Graphics Layout, Cell Library Builder, Aldec Simulation, Leonardo Synthesis, Jasc Paintshop Pro, ICCAP Transistor Modeling, All Microsoft Windows Versions and Platforms, Unix, Linux, MS-DOS, Mac OS, Palm OS Software and Tools, Several electric vehicle control system interfaces and coding, .NET Framework using VB, C#, MySQL and mssql database programming and management, Elation Compuware professional high end lighting design

ORGANIZATIONS

- Institute of Electrical and Electronics Engineers (IEEE)
- American Radio Relay League (ARRL)
- Crossmen Drum and Bugle Corps, Raiders Drum and Bugle Corps, Frontier Drum and Bugle Corps
- Ohio University Chamber Ensemble
- Ohio University Orchestra, New York State All-State Orchestra

INTERESTS

Computer hardware, automotive and home repair, model aircraft, [amateur radio \(KC8PMK\)](#), bodybuilding, karate, photography, softball, mountain biking, snowboarding, billiards, deep-sea fishing, paintball, violin, percussion, camping, golf, solar energy systems, renewable energy systems, stage lighting, traveling, enjoy welding, fabrication and mentoring students, Austrian economics

REFERENCES

RENE PAULSON

Company: ELITE RESEARCH LLC

Position: CEO

Cell: +1 214-868-2731

E-mail: rpaulson@eliteresearch.com

MIGUEL ANGEL ALARCON

Company: TELEFÓNICA MOVILES S.A.A. SEGMENTO GRANDES EMPRESAS

Position: Gerente / Director de Área Lima Perú

Cell: 990-068-676

Office: 210-9310

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