

Dennis Tsishchenka

Full Stack Web Developer | Data Analyst | P. Eng.

Calgary, Alberta

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A professional with over 10 years of international experience in Engineering, Technology and Data Analysis. Bachelor degree in Electrical Engineering. Solid knowledge in both frontend and backend web design and development. Strong time management skills and attention to details. Proven ability to work in a team and independently.

Highlights of Qualifications

- 14 years of experience in Engineering, Technology and Data Analysis.
- Technology skills: HTML5, CSS, JavaScript, Bootstrap, React, Node.JS, Express, NPM, Python, PHP, SQL, MongoDB, Object oriented programming, Database design, Git, Github, MVC
- Strong time management skills and attention to details. Proven ability to work in a team and independently.

Projects

Travel Website Project - <https://github.com/DennisTz/TravelWebsiteGroup5> **Jan 2021 – Mar 2021**

- Created backend portion of the website.
- The following technologies were used on this project: Node.JS Express framework, Model-View-Controller MVC architecture with pug view engine support.
- Connected application to Mongo database with Mongoose and created user authentications with (username/password) using Node.js Passport authentication middleware.

Soccer Club Website - <https://github.com/DennisTz/soccerclubwebsite>

Jan 2021

Created frontend portion of the website.

The following technologies were used on this project:

- Developed frontend pages using Node.JS Express generator template engine with HTML5, CSS and JavaScript.
- Responsive design using media queries.

Kids Cartoon Project - <https://github.com/DennisTz/kidscartoonwebsite>

Jan 2019

Kids cartoon website is a young viewers targeting resource where kids can watch their latest and popular cartoons all at one place.

The following technologies were used on this project:

- HTML5, CSS
- Responsive design using media queries.

Employment History

Data Analyst as Control Systems Engineer

Oct 2014 – Apr 2020

Stantec, Calgary, AB

- Conducted analysis of existing systems and client requirements, performed data gathering, provided engineering input into client proposal.
- Created competitive budgetary quotes, providing full commitment to project and generally saving 15-20% of the entire cost of the project for the respective discipline in the long run.
- Designed and coordinated client project deliverables such as panel layouts, bill of materials, schematics and power distributions drawings according to client document control standards and procedures.
- Prepared material requisition packages for quote (MRQ) and for purchase (MRP) in order to buy necessary controls and instrumentation equipment.

- Coordinated with designers and engineers from electrical disciplines, ensured project deadlines are met.

Data Manager as Control Systems Designer

Sept 2011 – Aug 2014

Bantrel, Calgary, AB

- Designed and drafted marshaling & system cabinet layouts, overall system architecture and control room layout drawings for construction.
- Provided quality assurance and optimization for the project which resulted in elimination of unneeded deliverables resulted in 10-15% project cost savings for the respective discipline.
- Performed and troubleshooted functional loop and input/output testing for distributed control systems, safety instrumented systems and third party interface systems (Yokogawa Centum & ProSafe systems).
- Checked and resolved punch list items. Demonstrated punch list item solution to client for closure
- Updated and prepared construction drawings for As-Built in MicroStation, AutoCAD and Smart Plant Instrumentation wiring module programs.

Data Analyst as Instrumentation & Control Systems Engineer

Jun 2005 – Mar 2009

Thornhill Group, Minsk, Belarus

- Collected client requirements, analyzed existing systems data and provided initial input for client proposal.
- Designed full sets of working drawings for construction (Fire, Access Control and CCTV safety systems). Verified and collected inputs from site to finalize the above drawings.
- Created wiring diagrams, cable schedule, instrument location plans, panel and control room layout drawings for construction.
- Analyzed technical documents and reports, prepared bill of materials.
- 25-30% of the projects were completed 15-20% under budget and 10-15% under schedule.

Professional Designations

Professional Engineer (P. Eng.)

Mar 2016 – Present

Association of Professional Engineers and Geoscientists of Alberta

Education

Software Development Certificate of Achievement

Jan 2021 – Present

Southern Alberta Institute of Technology / SAIT

Python Programming Certificate of Achievement

Mar 2019 – Jun 2019

Southern Alberta Institute of Technology / SAIT

Certificate of Advanced Training

Aug 2008

PELCO Certified System Designer – PCSD

PGTI (PELCO Global Training Institute), Eindhoven, Netherlands

Bachelor of Science in Electrical Engineering

Sept 2000 – Jun 2005

Belarusian National Technical University, Minsk, Belarus

Online Courses

React.js Essential Training Certificate – LinkedIn Learning, 2020

Node.js Essential Training Certificate – LinkedIn Learning, 2020

JavaScript Essential Training Certificate – LinkedIn Learning, 2020

WordPress5 Essential Training Certificate – LinkedIn Learning, 2020

CSS Essential Training Certificate – LinkedIn Learning, 2020

Test Automation Foundations Certificate – LinkedIn Learning, 2020

Cisco CCNA Preparation Certificate – LinkedIn Learning, 2020

Java 8 Essential Training Certificate – LinkedIn Learning, 2020