

Daniel T. Turcotte

Full Stack Web Developer

dan.t.turcotte@gmail.com

turcotteoriginals.com

| | | | |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--|
| PROFILE | A software developer by trade, Daniel has combined his background in cognition, language, and technology to create educational tools that support individualized learning at scale. | | |
| SKILLS | Programming: | JavaScript, PHP, Sass, Python/Pandas, SQL, NoSQL | |
| | Frameworks: | Angular, React, Node, Laravel, Postgres, MySQL, Firebase, MongoDB | |
| | Foreign Language: | Mandarin Chinese (proficient in reading, listening, and speaking) | |
| VENTURES | Founder, Scholarcade, LLC | 2017 – Present | |
| | Creating an ACTFL-based video game, <i>Spywatch Lex</i> , that engages students in language education (link) | | |
| | <ul style="list-style-type: none">• Signed contracts and conducted pilots with several K-12 schools to help educate thousands of students• Implemented speech recognition and native pronunciation to test users' oral and listening skills• Developed an adaptive, SM2-based spaced repetition curriculum model to serve our web and mobile apps | | |
| | <i>Grants & Industry Awards:</i> | | |
| | • <u>Grant</u> : \$200,000 Phase I federal Department of Education SBIR grant | 2021 | |
| | • Top 10% Finalist (\$2,000 Award): GSV Ventures EdTech Creator Challenge | 2021 | |
| | • Top 12% Finalist: UPenn Wharton-QS Reimagine Education EdTech Awards | 2021 | |
| | • Twitch.tv game streaming platform front-page EdTech interview | 2019 | |
| WORK | Global Innovation Manager, Z-Tech at AB InBev | 2021 – 2022 | |
| | Shaping the future of technology innovation through the application of IoT, AI, and other cutting-edge tools | | |
| | <ul style="list-style-type: none">• Working with company's leadership to identify key pain points and perform build/partner analyses• Collaborating with startup ecosystem and engineering teams to deliver scalable solutions to challenges | | |
| | Lead Software Developer, ZX Ventures | 2018 – 2021 | |
| | Leading eCommerce engineering initiatives by applying best-in-class tech and entrepreneurship expertise | | |
| | <ul style="list-style-type: none">• Managing three engineers to launch an eCommerce platform for ZX Ventures high end brands• Led a team of four to leverage AI to optimize menu assortment during summer accelerator | | |
| | Data Engineer, ZX Ventures | 2017 – 2018 | |
| | Created data pipelines and dashboards to help business leaders make data-driven investment decisions | | |
| | <ul style="list-style-type: none">• Built robust ETL systems to normalize global sales data using Pandas (Python data analysis library)• Designed Star schema-based data warehouse to efficiently model and visualize sales data in PowerBI | | |
| | Software Developer, Fuzz Productions | 2015 – 2017 | |
| | Responsive design, RESTful APIs, production-ready IoT, and voice translation services | | |
| | <ul style="list-style-type: none">• Led development of a NodeJS Amazon Alexa eCommerce voice-ordering application for F50 client• Managed Fuzz company website frontend and backend overhaul in AngularJS and Laravel PHP (link)• Frontend developer on a \$1.5m Angular/NodeJS website for CBS (link) | | |
| | Software Developer, Professional Learning Services, LLC | 2015 – 2016 | |
| | Freelance: Lead developer on a team of four to launch a dental test preparation platform (link) | | |
| | <ul style="list-style-type: none">• Created an intuitive AngularJS frontend and full CMS, with an OAuth2-secured Laravel API• Designed dynamic feedback dashboard to provide users their test performance analytics | | |
| | Senior Web Analyst, United Technologies Corporation | 2011 – 2014 | |
| | Managed technical solution design in support of UTC's aerospace and climate control businesses | | |
| | <ul style="list-style-type: none">• Led a \$1.1MM project to centralize 100+ legacy brand websites onto a single web platform• Helped develop supply chain risk management system which improved on-time customer delivery by 26% | | |
| | Mandarin Interpreter, Beijing Olympics, General Electric Company | China, 2008 | |

- Facilitated interpretation and logistics planning for General Electric's Board of Directors

| | | |
|-----------|------------------------------------------------------------------------------------------------|-------------|
| VOLUNTEER | Teacher and Mentor , Global China Program, Junior Achievement (link) | China, 2014 |
| | • Awarded UTC sponsorship to help 20 high school students create a mock global trade company | |
| | Curriculum Developer , After School Education Programs, YMCA (link) | 2013 – 2014 |
| | • Awarded UTC sponsorship to design a Chinese curriculum for a low-income group of 15 students | |
| EDUCATION | University of Connecticut | 2011 |
| | B.S. Information Systems; Computer Science | |
| | Study Abroad: Advanced Chinese, National Cheng Chi University | Taiwan |