

BOWEN SUN

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SKILLS SUMMARY

Languages: Python, JavaScript, TypeScript, HTML/CSS/Sass, Java, C, C#, PHP, SQL

Development Tools: Node.js, Express.js, React.js, Angular.js, jQuery, MongoDB, MySQL, Git

WORK EXPERIENCE

Idea Notion Development Inc.

Markham, ON

Software Developer

May 2021 - Present

- Created data visualization dashboards with server-side AJAX processing improving query efficiency
- Developed customizable AI chatbot dialogs with C# .NET and Angular frontend for 20+ car dealerships
- Designed automated document eSignature workflows with DocuSign API, reducing document signing and review time by 400% and increasing consumer security and satisfaction

EDUCATION

University of Waterloo

Waterloo, ON

Honours Computer Science, Co-op

2020 - 2025

- Relevant Coursework: Algorithm Design and Data Abstraction, Functional Programming, Linear Algebra and Proofs, Calculus, Physics

VOLUNTEER EXPERIENCE

HackOn Foundation 🦋

Waterloo, ON

Speaker and Workshop Organizer

May 2021

- Organized and spoke at an intro to full stack development workshop for 400+ hackathon attendees
- Programmed, taught and walked-through coding a React and Node COVID tip sharing application live

PROJECTS

COVID-19 Geographic Data Visualizer 🦋

Waterloo, ON

JavaScript, CSS, React.js, Mapbox GL

February 2021

- Created an interactive geographic data map displaying the intensity of COVID-19 data for 190 countries
- Designed a UI for users to easily compare data metrics and see additional information through popups

Projectify: Project Sharing Website 🦋

Waterloo, ON

JavaScript, CSS, Node.js, Express.js, React.js, Redux, MongoDB

January 2021

- Created a back-end server API and database with Node, Express and MongoDB that stores user posts
- Developed a responsive client interface with React for users to view and post projects

Firefighting Bot 🦋

Waterloo, ON

BASIC, TraxMaker, Machinery

January 2020

- Programmed and designed maze solving algorithms in BASIC to navigate a maze and extinguish a flame
- Designed PCB circuit boards and a bot frame equipped with an LCD display, infrared sensors, analog distance sensors and phototransistors to control bot decisions and actions

AWARDS AND ACHIEVEMENTS

- Associate Diploma (ARCT) of the Royal Conservatory of Music 2009 - 2020
- Highlander Silver Award | High School Sports Teams & Club Involvement 2016 - 2020
- 3 Time DECA Provincial Team | Business Case Study Competition 2017 - 2020
- University of Waterloo President's Scholarship of Distinction 2020