BOWEN SUN

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SKILLS SUMMARY

Languages: Python, JavaScript, TypeScript, HTML/CSS/Sass, Java, C, C#, PHP, SQL
Tools: Node.js, Express.js, React.js, Angular, ASP.NET, jQuery, MySQL, MS SQL, MongoDB, Git

EDUCATION

University of Waterloo   Waterloo, ON
Honours Computer Science, Co-op   *2020 - 2025*

WORK EXPERIENCE

Idea Notion Development   Markham, ON
Software Developer Intern   *May 2021 - August 2021*

- Developed AI chatbot API, engine, and web portal with **C# ASP.NET** and **MS SQL** for **70+** car dealerships
- Spearheaded development of dealer organization feature to support managing multiple dealership chatbots, securing a large organization client and increasing revenue by over **$2000/month**
- Built features with **React**, **Angular**, and **TypeScript** such as customizable chat avatars, live agent chatbot takeover, and data dashboards that helped increase conversation leads by **57%** over 4 months
- Designed automated document eSignature registration in **PHP** and **MySQL** with DocuSign API

VOLUNTEER EXPERIENCE

HackOn Foundation   Waterloo, ON
Speaker and Workshop Lead   *May 2021*

- Organized and led an intro to full stack development workshop for **400+** hackathon attendees
- Programmed and walked-through coding a note sharing application live with **React** and **Node.js**

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
- Designed a UI for users to 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 REST API and database with Node.js, Express and MongoDB that stores user posts
- Developed a responsive frontend with React and Redux for users to view and post projects

Visual Maze Pathfinder 🔗   Waterloo, ON
JavaScript, HTML/CSS, P5.js   *December 2020*

- Implemented the A* search algorithm on a 2D grid, generated mazes with a recursive division method and drew the visualization with P5.js

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 with an LCD display, infrared sensors, analog distance sensors, and phototransistors to control bot actions