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*