Botao He
Software Developer

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📍 **London, ON**
in **LinkedIn**
○ **GitHub**

Flexible, autonomous new graduate in Computer Science looking to leverage experience building responsive and scalable applications to solve problems that delight end-users. Motivated to learn from professions while sharing innovative ideas in an environment that values personal growth.

EDUCATION

B.S.
Computer Science
University Of Western
📅 2021 - 2024
📍 London, ON
🎓 GPA: 3.8/4.0 (3x Dean's Honor)

Graduated Certificate
Project Management
Fanshawe College
📅 2020 – 2021
📍 London, ON
🎓 GPA: 3.42/4.20

Advanced Diploma
Computer Programming and analysis
Fanshawe College
📅 2017 - 2020
📍 London, ON
🎓 GPA: 3.75/4.2 (2x Dean's Honor)

SKILLS

- Software/Full-stack development
- Computer System Building and Repair
- Python, Angular, React, Node.js, Java, Mongo DB, JavaScript
- Linux, Agile

WORK EXPERIENCE

Software Developer Intern
Carpollo
📅 January 2021 – December 2023   📍 London, ON

Develop the Carpollo platform by using the MEAN solution stack.

- Worked within an agile team to prioritize and scope feature requests, placing the biggest impacts at the top.
- Designed and Created database schemas, saving the company more than $2K in implementation costs.
- Constructed Angular components for the customer-facing web app, improving users' page time by 3 minutes with customized CSS style. Help develop backend using React.
- Utilized: Angular, Mongo DB, Express, Node.js, React.

Projects

Vendor Management System

- Designed the architecture and database schema for the Vendor Management System, ensuring scalability and security.
- Developed the frontend and backend components of the system using Angular, Java Spring Boot.
- Conducted comprehensive testing, including unit tests and system integration tests, to ensure the stability and reliability of the system.
- Deployed the Vendor Management System to the cloud server with Azure.
- Utilized: Angular, SQL, Java, Azure.

E-commerce Sneaker Store

- Implemented a secure and efficient backend using server-side language (Node.js) to handle product management, user authentication (JWT), and order processing.
- Implemented robust search and filtering functionalities to allow customers to easily find sneakers based on brand, size, color, and other criteria.
- Ensured the website's performance, scalability, and security through regular testing, optimization, and adherence to best practices (Lighthouse).
- Integrated a payment gateway (Stripe) to facilitate secure online transactions and enable multiple payment options for users.
- Utilized: ASP.Net, Node.js, Stripe, HTML, JavaScript.

Natural Language Analyst

- Developed a program that analyst user prompt by natural language processing and starts conversation with user.
- Utilized: C#.

AI generated Image Detection

- Graduation thesis on detecting AI generated images with two AI models.
- Utilized: Python.