Botao He

Software Developer

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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. Honors Specialization
  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 Repairing/Building
- Python, Angular, React, Node.js, Java, Mongo DB, JS, ASP.Net, C++, gRPC, PHP
- Linux, GitHub, Agile

Language

- English, Mandarin, Cantonese

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. Develop backend and improve API.
- 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/React, MySQL, Java, Spring Boot, 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, SQL Server.

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 Combine ELA with two AI models (Autoencoder and CNN).
- Utilized: Python, TensorFlow, PyTorch