Richard Bai

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EDUCATION

University of Waterloo — Waterloo, ON
Bachelor of Computer Science, Minor in Business — *Aug. 2023 – May 2027*

Blinn College — Bryan, TX
Associate's in Liberal Arts — *Aug. 2014 – May 2018*

EXPERIENCE

Software Development Intern — May 2022 – Present
Freedo Technologies — *Beijing, China*

- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

PROJECTS

Personal Portfolio Website | *HTML, CSS, JavaScript, Git* — June 2023 – Present
- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration
- Used Celery and Redis for asynchronous tasks

Space Invaders | *Python, Git* — May 2022 – June 2022
- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

Personal Portfolio Website | *HTML, CSS, JavaScript, Git* — June 2023 – Present
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TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS
Frameworks: React, Node.js, JQuery, Bootstrap
Developer Tools: Git, VS Code, Visual Studio, PyCharm
Libraries: pandas, NumPy, Matplotlib, Pygame