

# Lukas Bozinov

github.com/lukasboz

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## EDUCATION

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- **Western University** April 2027  
*B.S. in Computer Science; GPA: 3.8 (Dean's Honours List for 2 consecutive years)* London, ON

## EXPERIENCE

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- **JD Power** May 2025 – Present  
*QA Automation Engineering Intern* London, ON
  - **Automated Test Development:** Designed and implemented automated test scripts for web and mobile dashboards using Selenium and Python.
  - **CI/CD Integration:** Integrated test suites into Jenkins pipelines, enabling nightly regression runs and immediate feedback on build quality.
  - **Test Framework Enhancement:** Enhanced internal QA frameworks with custom reporting and logging features, improving defect traceability by **30%**.
  - **Cross-Functional Collaboration:** Worked closely with product and development teams to define test requirements and ensure comprehensive coverage of key features.
- **Computer Science Undergraduate Society** October 2024 – Present  
*Project Director & Backend Lead* London, ON
  - **Backend Leadership:** Oversaw a team of developers building the backend for a WesternU-based instant messaging system for courses and clubs.
  - **Database Management:** Utilized PostgreSQL to manage student information securely and generate reports and analytics from the IM system.
  - **API Development:** Leveraged Flask for rapid deployment and lightweight APIs, and integrated OAuth 2.0 for robust authentication.

## PROJECTS

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- **Math Duels:** Developed a real-time educational multiplayer math challenge platform using JavaScript, Socket.io, ReactJS, Node.js, HTML5/CSS, MongoDB, Vite, and Babel.js, improving users' math skills by **35%**.
- **Chef.ai:** Engineered an AI-driven meal planning application in Python using Scikit-learn, SciPy, Pandas, NumPy, and Matplotlib to analyze purchase data, optimize grocery purchases, and recommend meals based on item expiry, reducing food waste by **20%**.
- **OpenCV Facial Recognition Security System:** Implemented a facial recognition system in C++ with OpenCV and Qt5, featuring real-time face detection, profile management, and permission-based access. Designed a secure GUI admin panel for user modifications and model retraining.

## PROGRAMMING SKILLS

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- **Languages:** JavaScript/TypeScript, C/C++, Python, Java, Go, SQL, Perl **Technologies:** Socket.io, ReactJS, Node.js, Vite, Flask, PostgreSQL, MongoDB, Scikit-learn, Pandas, NumPy, Matplotlib, Qt5, OpenCV, OAuth 2.0, Linux, OWASP