Lukas Bozinov

github.com/lukasboz

Email : lukasbozinov@gmail.com
Mobile : (647) 646-9599

Education

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

Experience

- **JD Power** May 2025 – Present
  QA Automation Engineering Intern *London, ON*
  - **Automated Test Development**: Developed and maintained end-to-end automated test scripts for web and mobile dashboards using Playwright with TypeScript, enhancing test reliability and scalability.
  - **CI/CD Pipeline Integration**: Integrated the Playwright test suite with GitLab CI/CD pipelines using Xray for test management and execution tracking, enabling nightly regression and faster release cycles.
  - **Test Reporting and Visibility**: Implemented Allure reporting and custom logging within the test framework, improving visibility into test results and boosting defect traceability by **30%**.
  - **Agile Collaboration**: Worked cross-functionally with developers and product owners using Jira and Xray to define test requirements, plan sprints, and ensure full coverage of critical workflows.
- **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

- **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

- **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