

Lorena Buciu

✉ lorena.buciu@mail.utoronto.ca | [in Lorena Buciu](#) | [📱 lorena-b](#) | [🌐 My Website](#)

EDUCATION

University of Toronto

Toronto, ON

Honours Bachelor of Science, Computer Science Specialist

2020 – 2025

- **Relevant Coursework:** Data Structures & Algorithms, Software Design, Web Development, Operating Systems, Computer Networks, Artificial Intelligence, Database System Implementation, Data Visualization

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, Java, R, C, C++

Tools/Technologies: React, React Native, Flask, Django, Vue, Celery, MongoDB, Express, Docker, MySQL, SQLAlchemy, Cypress, Datadog, Sentry, Figma, AWS, Honeycomb, Statsig, Optimizely, D3, Tableau

EXPERIENCE

Software Developer Intern

May 2023 – August 2024

HelloFresh

Toronto, ON

- Developed and maintained responsive user interfaces for Typescript web and mobile applications of Ready-to-Eat markets, using React and React Native to ensure cross-platform compatibility and optimized user experiences
- Implemented experimental meal choice selection features on the frontend leveraging Statsig in React to drive A/B testing initiatives, resulting in a net CVA increase of \$4.3M and a decrease in customer cancellations by 2.3%
- Built 20+ dynamic components for the Factor Mobile app using React Native, streamlining the launch of a shopping cart feature for iOS and Android users, utilizing Redux for efficient state management
- Introduced Jest unit tests to enhance code robustness and Cypress E2E and integration tests to ensure reliability of critical customer flows

Full Stack Developer Intern

May 2022 – August 2022

Dash Social

Toronto, ON

- Implemented new features in a large-scale microservice SaaS application built with Vue.js, Flask, and MySQL used by leading global brands to gain insights across their various social media marketing channels
- Configured and implemented 10+ Celery asynchronous tasks to execute database queries and process Instagram data efficiently, enhancing system performance and reliability
- Enhanced YouTube metrics accuracy by designing and implementing Flask API endpoints with Flask-Marshmallow schemas and integrating with Vue.js components to deliver meaningful insights to clients
- Leveraged SQLAlchemy ORM to execute MySQL queries in Python within Flask back-end microservices, ensuring efficient data retrieval and manipulation

Software Developer

May 2021 – August 2021

University of Toronto

Toronto, ON

- Contributed to the open-source development of PythonTA, a Python package used by 1K+ UofT students enrolled in introductory computer science courses to help identify common coding errors through static analysis
- Resolved issues related to existing custom error checkers and contributed to the development of a comprehensive test suite to ensure accurate error detection and reporting and improve user experiences
- Extended existing capabilities of the package by utilizing astroid and pylint libraries to implement a custom checker that detects missing spaces in Python doctests

PROJECTS

FaceBlur for the Toronto Early Cognition Lab [🔗](#) | *TypeScript, Express, Prisma, AWS S3*

November 2022

- Developed a face anonymization tool using scikit-image's Gaussian filter to detect and blur faces in video files, ensuring privacy for research
- Built an Express.js API to manage video files in an S3 bucket, enabling seamless uploads and deletions

Course Scheduling Application [🔗](#) | *Java, JUnit*

September 2021

- Designed and implemented the application following SOLID principles and clean architecture patterns, ensuring modularity, maintainability, and extensibility
- Developed an interactive CLI output for displaying course information obtained and processed from the UofT course API