

# Kevin Pierce

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## EDUCATION

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### University of Waterloo

Bachelor of Software Engineering

Sep 2019 – May 2025

89.6% CGPA

- Courses: Algorithms, Compilers, Data Structures, Databases, OOP, Operating Systems, User Interfaces

## SKILLS

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**Languages:** Python, C/C++, TypeScript, JavaScript, Java, SQL, Golang, Elixir, Bash

**Frontend:** React, Next.js, Redux, Electron, Playwright, Svelte, HTML/CSS, Gatsby, Bootstrap, Figma

**Backend:** Node.js, Express, Django, Flask, GraphQL, MySQL, MongoDB, Heroku, AWS, GCP, Firebase

## EXPERIENCE

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### Relay Financial – Software Engineering Intern

Toronto, ON | May 2023 – Present

- Enhancing Relay's core banking platform by developing and shipping features using **Node.js** and **TypeScript**

### UW Blueprint – Software Developer

Waterloo, ON | Apr 2023 – Present

- Building out management tool using **Python**, **Postgres** and **React** for local homeless support organization

### Score Media and Gaming – Software Engineering Intern

Toronto, ON | Sep 2022 – Dec 2022

- Created and refactored **20+** betting-related components with **React** and **GraphQL** to leverage real-time data
- Engineered E2E visual regression tests with **Playwright** and **CircleCI** to log UI changes with **95%** app coverage
- Implemented password reset emails feature for account recovery service, using **Elixir** and **Oban** for processing

### Wish – Software Engineering Intern

San Francisco, CA | Jan 2022 – Apr 2022

- Developed **cron** scripts to audit and flag **600,000+** orders in **Presto**, improving runtime of payments-related **Mongo** queries from linear to constant time, reducing lookup times by **60%** on average
- Implemented country verification and automated email generation tools with **GraphQL** and **Python** to facilitate new merchant reporting feature for suspicious transactions
- Rewrote order fulfillment flow state machine, increasing code efficiency and test coverage by **25%** for the API
- Added and integrated service-level logging to sanitation API using **SQL** and **Python** to improve customer service

### TRIYO – Software Engineering Intern

Toronto, ON | May 2021 – Aug 2021

- Architected and launched user metric graphs and PDF export features for TRIYO Insights Dashboard using **React**
- Spearheaded functional and UI refactoring initiative for in-house filters module by refactoring **15+ React** components, improving code efficiency and application render speed by **35%**

## RESEARCH

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### Ward Lab – Undergraduate Research Assistant

London, ON | Apr 2023 – Present

- Exploring optimizations in cancer detection using **Python** by translating radiomic tissue features into audio

### Cecchini Lab – Full Stack Developer

London, ON | Mar 2021 – Mar 2023

- Engineered full stack **React** and **Node** web-app to facilitate pathology education to **20** undergraduate students
- Built REST API with **Express** and **Passport** to track response accuracy for cases and handle authentication
- Authored and presented abstract and poster at 2022 Schulich Pathology Research Day Conference ([link](#))