

Bill DuGe

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Education

University of Waterloo Bachelor of Computer Science | 90.6% GPA Expected April 2023

Relevant Courses: Algorithms | Object Oriented Software Development | Data Structures | User Interfaces
Machine Learning | Artificial Intelligence | Computer Networks | Database Management | Operating Systems

Skills

Programming Languages: Python | JavaScript | TypeScript | C++ | Java | Ruby | CSS | HTML | SQL

Technologies: Node.js | React | Redux | Ruby on Rails | Express | Django | MongoDB | AWS | REST | GraphQL

Experience

Databricks | Incoming Software Engineer Intern May 2022 | San Francisco, CA

Shopify | Backend Developer Intern Sept 2021 – Dec 2021 | Remote

- Worked end-to-end on GraphQL API, Rails services, and MySQL migrations to add new payment notifications flow into the Payments Partners Platform for re-conciliating data updates from payment processors
- Added new error handling logic for Shopify's payment integration with PayPal and Facebook Marketplace for improved visibility across companies
- Collaborated with team to refactor GraphQL and SQL schemas to improve code clarity and performance

Wish | Software Engineer Intern - Product Web Jan 2021 – April 2021 | San Francisco, CA

- Built buy-again feed to recommend products based on reorder probability data leading to an increase in GMV, and implemented lazy loading on the order history page to improve buy-again loading times by 50%
- Developed a scratch card component and backend API that integrate with payment systems to distribute discount and cash incentives, improving customer engagement through gamification
- Collaborated efficiently in scrum team with other engineers, product managers, and designers to deliver product features for desktop and mobile clients using Python (Tornado) and TypeScript (React and Redux)

Wish | Software Engineer Intern - Logistics May 2020 – Aug 2020 | San Francisco, CA

- Architected Python services to correct shipment data inconsistencies, identify store pickup performance, and optimize item packing for shipping, requiring complex and efficient SQL and MongoDB queries
- Developed APIs to provide merchants with product recommendations for different shipment fulfillment options to optimize delivery speed and cost

Youreka Canada | Software Engineer Nov 2019 – Dec 2020 | Remote

- Designed and built a full stack application with Django and MySQL from the ground up that provides the ability to evaluate student applications on a unified platform, increasing processing efficiency by 40%
- Deployed site and coordinated with executives to integrate software into existing employee workflows

Connected | QA Automation Developer Intern May 2019 – Aug 2019 | Toronto, ON

- Built a desktop application with Electron using Node.js which provides a framework for creating and executing tests cases for Amazon Alexa voice applications, reducing time spent on testing by 30%
- Spearheaded development of a Python command line tool to automate submitting test suite results to an online platform, reducing time spent on mobile QA testing by 40%