

# Brian Vuong

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Honours Computer Science  
B.C.S I University of Waterloo

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## Education

**Bachelor of Computer Science**, University of Waterloo

Sept 2017 - May 2022

- Relevant courses: Algorithms, Object Oriented Programming, Data Structures, Operating Systems, Concurrency  
Artificial Intelligence, Machine Learning

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## Summary of Qualifications

- Languages: **C#, C, C++, Python, Javascript, SQL**
- Frameworks/Libraries: **Node.JS**
- Tools: **Git, AWS, Azure, Jenkins, Linux, Docker, Apache Airflow, Hadoop, Spark, Hive**
- Azure Cloud Practitioner (AZ-900)

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## Work Experience

**Software Engineer - Python - Wish/ContextLogic**

Sept - Dec 2021

- Create data pipelines from platform database to data warehouse solution
- Migrate databases from third-party solution to in-house data warehouse
- Perform proof of concept of AWS Mechanical Turk integration for data collection tasks
- Selected as 1 of 5 top interns out of a class of over 100 interns

**Software Engineer - Node.js - Lifion by ADP**

Jan - Apr 2021

- Created a conversion tool for the company's native SQL implementation
- Wrote benchmark tests to measure performance of SQL queries using precomputed data
- Implemented option for users to specify query hints when generating SQL queries
- Received "most active team" award in company wide event to improve code performance

**Cloud Security Developer - AWS/Azure - Long View Systems**

May - Sept 2020

- Collaborated to develop security infrastructure as part of client-facing team
- Designed integrations between cloud vendors and Splunk to create comprehensive security metrics
- Automated fake security breaches on cloud infrastructure to test security configurations

**Software Developer - .NET - Intelix Technologies**

Sept - Dec 2019

- Developed support for geographic data in database, business, and UI levels
- Coordinated early access release of new features to increase client approval from 70% to 100%
- Designed integration of the Google Maps API with the platform-defined geography type
- Created a public API for queries of geographic data using OData v7
- Reduced tech defect backlog by 25%, allowing team transition into feature work

**QA Automation Engineer - CodeIgniter - Loopio Inc**

Jan - Apr 2019

- Incorporated Jenkins into the infrastructure to increase flexibility and performance of test pipelines
- Built API and end-to-end automated tests in Codeception; boosted test coverage by 15%
- Improved test suite run-time by 10% by correcting faulty and excessive tests