

Brian Vuong

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4B Honours Computer Science
Expected to graduate in May 2022

Education

- Candidate for **Bachelor of Computer Science**, University of Waterloo, expected to graduate in Jun 2022
- Relevant courses: Algorithms, Object Oriented Programming, Data Structures, Operating Systems, Concurrency
Artificial Intelligence, Machine Learning

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)

Work Experience

- | | |
|---|-----------------|
| Software Engineer - Python - Wish/ContextLogic | Sept - Dec 2021 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 - Intellex Technologies | Sept - Dec 2019 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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 | |