




Brian Vuong

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Summary of Qualifications

- Languages: C, C++, Python, Java, Javascript
- Frameworks/Libraries: ReactJS, Django, PostgreSQL
- Tools: Git, AWS, Azure, Jenkins, Docker, Linux
- Azure Cloud Practitioner (AZ-900)

Education

University of Waterloo

Bachelor of Computer Science *Sept 2017 - Jun 2022*

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

Professional Experience

Software Engineer

Tripadvisor - Java/Python/ReactJS

Aug 2022 - Present

- Led full-stack projects from investigation to implementation and testing, many of which saw revenue increases
- Implemented multiple features on high visibility pages, many of which saw significant engagement increases
- Designed multiple SEO-centric components, leading to positive gains for both search rankings and image rankings
- Created content management tool for non technical staff to arrange page content across the site
- Created product suppression system to provide flexible control over third party suppliers who want to list on the site
- Wrote tracking and analytics redesign which provided context-specific tracking for more unique features

Internships

Software Engineer

Wish - Python

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

Lifion by ADP - Node.js

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

Long View Systems - AWS/Azure

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

Intelix - .NET

Sep - 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
- 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

Loopio Inc - Codelgniter

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