

# Telvin Zhong

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## EDUCATION

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**Northeastern University** | M.S. Computer Science (GPA: 4.0)

**Expected April 2022**

- President of Microsoft Student Partners, Executive Board of Developer Student Club
- Relevant Coursework: Cloud Computing, Web Development, Scalable Distributed Systems, Computer Networks, Database Management Systems, Operating Systems, Algorithms, Discrete and Data Structures, Object-Oriented Design

**UCLA** | B.S. Chemistry, Minor in Science Education

**June 2019**

- GSE&IS Dean's Scholar, UCLA Regents Scholar Society, Segal AmeriCorps Education Award, InterActions Journalist

## SKILLS

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**Languages:** Python, Java, Go, JavaScript, Scala, TypeScript, C/C++

**Web Technologies:** Node.js, React, Express, jQuery, HTML/CSS, Spring Boot, Redux

**Databases:** MongoDB, MySQL, PostgreSQL, SQLite, Redis, DynamoDB, Firebase

**Tools, Platforms, and Cloud:** Docker, Kubernetes, Kafka, Linux, AWS Certified Solutions Architect - Associate

## WORK EXPERIENCE

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**Software Engineer Intern - [Braze](#)**

**June 2021 – August 2021**

- Designed interactive data visualization tools and their SDKs/APIs for the Dashboard Infrastructure team platform.
- Established the architecture for a new line chart library and created its composable React components using TypeScript.
- Expanded the functionality and compatibility of customer-facing dashboard APIs with Python and Ruby on Rails.

**Software Engineer Intern - [Coursera](#)**

**January 2021 – April 2021**

- Developed scalable Java microservices for the Content Ingestion team to migrate \$10M worth of external course content.
- Automated the unpacking, parsing, and deployment of zipped content from AWS S3 to Coursera clients and models.
- Improved security, reliability, and functionality of Course Authoring APIs in Scala and created comprehensive unit tests.

**Software Engineer Intern - [Open Water Accelerator](#)**

**September 2020 – December 2020**

- Launched the user portfolio MVP for Project ANT, a platform for connecting freelancers and showcasing user portfolios.
- Designed PostgreSQL database architecture for long term maintainability and performance with AWS Elastic Beanstalk.
- Created and tested RESTful APIs with Node.js and Express and implemented user authentication with Passport.js.

**Volunteer Developer - [Develop for Good](#)**

**September 2020 – December 2020**

- Developed an interactive android application for the CARE Yemen Youth and Women Initiative to collect and transfer data from local authorities to youth and women initiatives and service providers.
- Implemented realtime NoSQL database engines with Firebase and routed APIs for registration, login, and logout.

## TECHNICAL PROJECTS

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**Konek AI - [TOHacks](#)**

**May 2021**

- Created a Slack bot AI that parses a chosen Wikipedia article to accurately answer open-ended questions from the user.
- Designed backend logic with Python and implemented RESTful APIs to communicate with Open AI and Wikipedia.

**WhiteBoard - [Web Development Project](#)**

**February 2021**

- Designed and deployed a full-stack learning management website using MongoDB, Express, React, Node.js, and Spring.
- Implemented interactive interfaces, persistent cloud data storage, RESTful web services, user sessions, and authentication.

**ZoomFit (Second Place) - [Open Water Accelerator Fall Hackathon](#)**

**August 2020**

- Deployed a full-stack social media website that allows authenticated users to create and join Zoom workout sessions.
- Built serverless backend with AWS Lambda and implemented persistent cloud data storage and RESTful web services.

**Help (First Place) - [Accenture ServiceNow Hackathon](#)**

**May 2020**

- Developed web and mobile application connecting users looking for part-time work with users looking for assistance.
- Wrote JavaScript methods to interactively configure UI for forms and automate workflow by event triggers.