Stephen Yu

(908) 358-3677 | yu.step@northeastern.edu | stephenyu.me | linkedin.com/in/stephenyu8 | github.com/stephenyuu

EDUCATION

Northeastern University | *Khoury College of Computer Sciences* | Boston, MA   Graduation Date: May 2024
Candidate for B.S. in Computer Science and Business Administration

Honors:	**GPA:** 3.8/4.0	Dean's List
Coursework:	Web Development	Fundamentals of Software Engineering	Object-Oriented Design	Algorithms and Data Structures	Database Design	Computer Systems	Foundations of Data Science	Fundamentals of Computer Science I and II	Discrete Structures

TECHNICAL SKILLS

Languages: Java | TypeScript | JavaScript | HTML / CSS | Python | Kotlin | SQL | C

Technologies: ReactJS | Node.js | Express.js | Git | GitHub | MySQL | MongoDB | Mongoose | REST API | React Query | GraphQL | Storybook | Postman | Jest | React Testing Library | JUnit | Pandas | NumPy | Jenkins | AWS | Figma | mabl | TestRail

EXPERIENCE

Toast, Inc. | *Software Engineer Co-op* **|** Boston, MA   July 2023 – December 2023
- Integrated Online Ordering onboarding into the setup checklist, supported by a Pendo walkthrough, which resulted in an 11x improvement in guide completion rate (from 3% to 33%), enhanced customer discoverability and awareness, and ultimately boosted activation
- Developed a new page within the universal self-service onboarding process to drive the adoption of the new Toast Now app among restauranteurs, achieving a conversion rate of 72%
- Led the migration of layout components to construct onboarding wizards into Toast's front-end shared components library, enabling the upgrade of our spas to leverage this library and empowering other teams to build standardized onboarding flows
- Contributed to a project to accelerate the hardware order delivery process for restaurants by building two endpoints: one for automating communication between restauranteurs and onboarding consultants through Salesforce messages, reducing delays caused by manual phone calls; and another for logging satisfaction survey results to gauge feedback on the revamped process

The Shelter Unity Corporation | *Vice President* **|** Middlesex County, NJ   July 2021 – October 2023
- Prepared and delivered food for about 30 children residing in the Elizabeth Coalition to House the Homeless
- Designed an informational website to communicate the non-profit organization's mission and provide resources for the public to fight against homelessness

Toast, Inc. | *Quality Assurance Co-op* **|** Boston, MA   July 2022 – December 2022
- Fulfilled the QA engineer position on the Ordering and Menus for Guests/Mobile Order and Pay team by handling manual testing, automated testing, test documentation, bug detection and reporting, and all other QA responsibilities to produce quality software
- Created mabl smoke tests for each configuration variation of Mobile Order and Pay to accelerate the release cadence of the product from once to several times a week and increase the confidence of releases to be bug-free
- Conducted end-to-end testing on the integration of Mastercard Click to Pay into Mobile Order and Pay to deliver a new online payment method to customers
- Implemented visual and logic changes using JavaScript and CSS in the Mobile Order and Pay codebase to improve the usability and clarity in the product's execution of starting and adding to a "tab" at a restaurant
- Participated in monthly mobile release testing for new Toast POS versions on Android hardware to provide new reliable features for restaurants

PROJECTS

Chomp | *React, Node.js, Express.js, MongoDB, Pair-programming*   March 2023 — April 2023
- Pair-programmed a web app that allows users to search, browse, and view detailed restaurant information while providing a platform to share opinions through favorites and reviews
- Created a dynamic front-end comprised of a home, login, profile, user search, restaurant search, and restaurant details screen utilizing ReactJS and CSS along with technologies such as Redux, Bootstrap, and other third-party packages
- Constructed a Node.js server following REST principles to fetch business data from Yelp Fusion API and to perform CRUD operations for users, favorites, and reviews in MongoDB database
- Supports three different user roles with adaptable user interfaces based on the user type

Animator | *Java, Pair-programming*   March 2022 — May 2022
- Developed a Java Swing GUI animator application utilizing the MVC and visitor design patterns
- Creates an animation by translating a text description into different transformations such as moving, scaling, and color-changing 2D shapes at specified time intervals in the window
- Implemented four view types: an interactive view with handlers for speed, looping, and shape fill functionalities, a visual playing of the animation, a textual description of the animation, and another textual view compliant with the SVG file format
- Supports three playing modes: continuous, frame-by-frame, and slow motion

ADDITIONAL INFORMATION

Languages: Fluent in English and Mandarin

Interests: Bodybuilding | Basketball | Food Enthusiast | Solving Riddles | Marvel Fanatic