Karyna Yen

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Education

Northeastern University, Khoury College of Computer Sciences, Boston, MA   Expected Graduation 2026
Candidate for Bachelor's of Science in Computer Science, Minor in Chinese   **GPA: 4.0/4.0**

Awards: Dean's Merit Scholarship, Dean's List: Fall 2021, Spring 2022, Fall 2022, Fall 2023
Relevant Activities: Generate Product Dev (SWE), Teaching Assistant (Discrete Structures CS 1800)
Hackathon Wins: Atlassian Intern ShipIt, HackBeanpot (Inclusion Award), White Hall Hackathon (Overall Winner)
Relevant Courses: Algorithms and Data Structures, Object Oriented Design, Computer Systems, Engineering LLM
                                    Integrated Systems, Software, Engineering, Database Design, Networks and Distributed Systems

Technical Skills

Languages: Java, JavaScript, TypeScript, HTML/CSS, Python, Go, Kotlin, SQL, C
Certifications: ***Google Cloud Digital Leader*** *(Aug 2022),* ***Learning React.js*** *(March 2022)*

Experience

Atlassian | *Backend Intern* | *New York City, NY*   May 2024 - Aug 2024
- Implemented pseudo-localization for atlassian.com, allowing devs to catch formatting issues resulting from string expansion during translation.
- Reduced dev cycle time from 10 minutes to 3 seconds by automating the upload of visual context to a third-party translation service (Smartling).
- Contributed to visual regression and **Playwright** e2e tests, supporting the team in increasing code coverage.
- Won second place at Intern Hackathon with event organizing Slack bot using Slack Bolt, **MongoDB**, **Mongoose**.

Reprise | *Software Engineering Co-op* | *Boston, MA*   Jan 2024 - May 2024
- Handled 30+ requests for bug fixes and features from customers and design team, using **Python**, **TypeScript,** and the **Chrome Extension API**.
- Standardized UI across products employing **Vue.js** and **Tailwind CSS** to align on modern design.
- Wrote 10+ pages of detailed documentation on new features to streamline onboarding for internal users.
- Developed an analytics dashboard to enable customers to drill down on key metrics regarding sales teams usage of Replicate, a Reprise product.
- Assisted team in implementing version control for Replicate using Github and Gitlab.

WoodMackenzie | *Software Engineering Co-op* | *Boston, MA*   Jan 2023 - June 2023
- Engineered backward-compatible features for 30+ **React.js** components to enhance platform functionality.
- Communicated with product owners to replicate, diagnose, and design solutions to production bugs.
- Performed 60+ comprehensive code reviews and browser testing to ensure code readability and identify bugs.
- Enhanced existing table exporting API functionality by modifying endpoints with **JavaScript**, **Kotlin**, and **SQL**.
- Ported custom functionality across various panels while ensuring integration with different data structures.
- Created data upload pipelines using Cloud Formation, Event Bridge, and Step Functions.
- Migrated backend onboarding workshop from Spring Boot to **Node.js**.

HackBeanpot | *Outreach Organizer, Developer, and Sponsor Coordinator* | *Northeastern*   April 2022 - April 2024
- Developed Hackathon Main Site, Live Site, Application Portal, and Internal Tools.
- Conducted 30+ code reviews for style, bugs, readability, consistency, etc. through GitHub.
- Architected an **agile ticket-based** workflow to design Cabin Sorting Functionality.
- Designed and led Intro to Web Development workshops which totaled 80+ attendees.

Projects

Couplet Dating App (Generate) – Go, Gorm, React Native, OpenAPI
- Collaborated with a team of 10 to build out a dating app aligned to stakeholder requests.
- Designed product schemas and databases. Built out endpoints and responsive React Native Components.

Oh, Duck! – JS, CSS, HTML, Python, GitHub – github.com/v-bow/ohDuck
- Earned *Intergalactic Inclusion Award: Most impact for the Boston community* with a team of 4.
- Worked as a front-end engineer to develop a Chrome extension that replaces profanity with a cute duck emoji.

Interests

Competitive swimmer for 10+ years. Northeastern Triathlon Team E-board (Swim Captain, Recruitment Chief). I also enjoy skiing, snowboarding, hiking, unicycling, practicing Mandarin, and teaching swimming!