

# Karyna Yen

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## EDUCATION

**Northeastern University, Khoury College of Computer Sciences, Boston, MA**

Sept. 2021 - Present

*Candidate for Bachelor's of Science, Minor in Psychology*

**GPA/Awards:** Dean's Merit Scholarship, 4.0 GPA, Dean's List: Fall 2021, Spring 2022

**Activities:** HackBeanpot Core Team, Oasis Software Development

**Hackathon Wins:** HackBeanpot (Intergalactic Inclusion Award, Top 11 Projects), White Hall Hackathon (Overall Winner), Los Altos Hacks (Best Beginner Hack)

## EXPERIENCE

**Social Outreach Organizer and Web Developer**

2022 - present

*HackBeanpot, Northeastern University | Boston, MA*

- Maintain and improve applications portal.
- Migrate internal tools webpage from JQuery to React.js.
- Utilize Mailgun API, MUI, and React.js to develop an email sender tool.
- Responsible for outreach initiatives to increase diversity at the Hackathon event.

**Discrete Structures Teaching Assistant**

2022 - present

*Khoury College of Computer Sciences, Northeastern University | Boston, MA*

- Utilized multimedia applications to tutor remotely via Zoom

**Notetaker**

2021 - present

*Northeastern University DRC | Boston, MA*

- Responsible for taking legible and organized class notes to ensure that Northeastern University students have a comprehensive record of Introduction to Mathematical Reasoning, Knowledge in a Digital World, and Object Oriented Design (CS 3500)

**Outreach Director**

2019 - 2021

*Los Altos Hacks | Los Altos, CA*

- Co-organized the nation's second-largest high school hackathon
- Managed all social media platforms and strategized global outreach initiatives.
- Mentored Web Development workshop.
- Coordinated team meetings and delegated weekly assignments.
- Streamlined operational efficiency for future directors.

## PROJECTS

**Oh Duck! | JS, CSS, HTML, Python, GitHub** [github.com/v-bow/ohDuck](https://github.com/v-bow/ohDuck)

*WINNER: Intergalactic Inclusion Award - Most impact for the Boston community*

- The Internet is a scary place, so why not bring along some ducks to help you feel safe! Worked in a team of 4 to develop a Chrome extension that replaces profane words with an adorable duck emoji.

**Image Processor | Java, Java Swing, GitHub**

- Utilizes Java Swing to develop a GUI based Image Processor with the capacity to load and save new images, apply various filters and transformations, and downscale an image.
- Implements Model-View-Controller paradigm and the Command design pattern.

**Email Sender Tool (HBP) | Mailgun API, React.js, TypeScript, MongoDB, Node.js, GitHub**

- Bulk email sender which allows the customized flexibility of pre made email templates
- Integrates Mailgun API for email sending, and NextAuth for website authentication

**Elevator Simulation State Machine | Java, JavaFX, GitHub**

- Models elevator functionality using a finite state machine to determine the more efficient configuration. The elevator has a configurable capacity, vertical speed, rate at which the doors open and close, and how many passengers can board/exit.

## SKILLS

**Languages:**

Java, JavaScript, TypeScript, HTML5, CSS, Python, Racket

**Frameworks & Libraries:**

React.js, Bootstrap, Material UI

**Tools:**

Git/Github, Figma, JetBrains Suite, Visual Studio Code, WIX

## Other Interests

Outside of developing, I've been a competitive swimmer for the past 10 years and a current member of the Northeastern Swim Club and Triathlon Team. During the summer I work as a swim instructor to give back to the swimming community. I also enjoy skiing and hiking! I am always interested in learning new skills! Currently I am learning Mandarin, unicycling, and snowboarding!