

Karyna Yen

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Education

Northeastern University, Boston, MA

Sep 2021 - Present

Candidate for Bachelor's of Science in Computer Science

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

Activities: HackBeanpot Core Team, Oasis Software Development Club

Hackathon Wins: HackBeanpot (Intergalactic Inclusion Award, Top 11 Projects), White Hall Hackathon (Overall Winner)

Technical Knowledge

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

Frameworks: React.js, JUnit4, JUnit5, JavaFX, Java Swing, Bootstrap, Material UI, Node.js

Tools: Git/Github, Figma, JetBrains Suite, Visual Studio, Eclipse, Jupyter Notebook, WIX, Postman

Skills: Object Oriented Design, Test Driven Programming, Web Development

Certifications: Learning React.js (LinkedIn Learning), Google Cloud Digital Leader (In Progress)

Experience

Teaching Assistant – CS 1800

Starting Sep 2022

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

- Incoming Discrete Structures Teaching Assistant.

Social Outreach Organizer and Web Developer

Apr 2022 - Present

HackBeanpot, Northeastern University, Boston, MA

- Migrated internal tools webpage from JQuery to React.js.
- Conducted over 20 code reviews for style, bugs, readability, consistency, etc.

Notetaker – Multiple Subjects

Sep 2021 - Present

Northeastern University Disability Resource Center, Boston, MA

- Took over 350 pages of legible and organized notes for Northeastern University students.
- Courses: Introduction to Mathematical Reasoning, Knowledge in a Digital World, and Object Oriented Design.

Outreach Director

Aug 2019 - Jun 2021

Los Altos Hacks, Los Altos, CA

- Organized the nation's second-largest virtual high school hackathon with over 300 attendees.
- Led a team of 6 in global outreach initiatives, managed social media, and streamlined operational efficiency.

Projects

Image Processor – Java, Java Swing

- Utilized 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.
- Implemented Model-View-Controller paradigm and the Command design pattern.
- Employed test-driven development principles to write 3,000+ lines of unit tests.

Email Sender (HackBeanpot) – React.js, TypeScript, MongoDB, Node.js – github.com/HackBeanpot/internal-tools

- Developed bulk email sender which allows the customized flexibility of pre made email templates.
- Integrated *Mailgun API* for email sending, and *NextAuth* for website authentication.

Elevator Simulation State Machine – Java, JavaFX

- Modeled elevator functionality using a finite state machine to determine the most efficient configuration.
- Built 7 states along with configurable properties which impact overall efficiency.

Oh Duck! – JS, CSS, HTML, Python, GitHub – github.com/v-bow/ohDuck

- WINNER: Intergalactic Inclusion Award - Most impact for the Boston community.
- Worked in a team of 4 to develop a Chrome extension that replaces profane words with an adorable duck emoji.

Interests

I've been a competitive swimmer for 10+ years. Current member of the Northeastern Swim Club and Triathlon Team. I enjoy skiing, snowboarding, hiking, unicycling, practicing Mandarin, and teaching swimming!