

Gillian Palmer

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Education

Northeastern University, Boston, MA | Khoury College of Computer Sciences *Expected: 2027*
Candidate for BS in Computer Science with Software Concentration & Minor in Mathematics *GPA: 3.9/4.0*
Relevant Courses: Graduate Algorithms, Object-Oriented Design, Computer Systems, Linear Algebra, Cybersecurity, Accelerated Fundamentals of Computer Science 1 & 2, Accelerated Discrete Structures

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, HTML/CSS, SQL
Libraries/Frameworks: React, Next.js, Drizzle ORM, Tailwind CSS, tRPC, Node.js, Google OAuth, TipTap
Tools: Git, Docker, AWS (ECS, RDS, EC2, Lambda, ECR, S3), Terraform, CI/CD Automation (GitHub Actions), Jest, PostgreSQL, PostHog, Strapi

Experience

Software Development Co-op | Khoury College, Boston, MA *January 2025 - Present*

- Developing a responsive user interface for **Odyssey**, an interactive learning platform, using **Next.js** and **Tailwind CSS**, maintaining consistent sitewide styling through reusable components
- Architecting backend infrastructure to manage data for **2000+** users with **Strapi CMS** and **PostgreSQL**
- Contribute to a **Scrum**-driven environment, actively participating in daily standups within two-week sprint cycles
- Launched **7 major features** including text highlighting and a personalized activity feed, and used the **Jest** framework to write over **700** UI feature tests achieving **80%** code coverage
- Migrated **EKS** development deployment to an **ECS** deployment using **Terraform** and **AWS CLI**

Head of Community | Sandbox at Northeastern, Boston, MA *January 2025 - April 2025*

- Organized **5 activities and presentations** for over **50 people** in **Sandbox**, Northeastern's student-led software consultancy, and planned **3 collaborative events** with other computer science clubs
- Managed a budget of **\$2000** while sourcing food and supplies for events

Teaching Assistant | Khoury College of Computer Science, Boston, MA *August 2024 - December 2024*

- Led **1 recitation** and **3 office hour sessions** every week for Discrete Structures, offering one-on-one support to students and clarifying concepts through diagrams and personalized examples
- Provided specific grading feedback to over 200 students every week and collaborated with other teaching assistants to revise the grading rubrics

Projects

Co-op Review Platform | Next.js, tRPC, Tailwind, Drizzle, PostgreSQL, Typescript *September 2024 - Present*

- Currently developing a full-stack co-op evaluation resource for students using the **T3 tech stack**
- Attend weekly standups with designers and developers to improve usability and refine the website UI
- Implemented 3 **tRPC**-based API endpoints, ensuring type safety and optimizing data fetching
- Added frontend and backend filtering with **fuzzy searching** to enhance the companies page

Stocks Interface | Java, JSwing, JUnit *June 2024*

- Developed a stock-analysis **Java** program using **Model-View-Controller** that allows users to visualize stock trends over time and create virtual stock portfolios to monitor specific stocks
- Executed API calls through the **Alpha Vantage API** to gather data from **5000+ stocks** from the past **20 years**

Northeastern Laundry Tracker | Python, HTML, CSS, JavaScript *January 2024 - April 2024*

- Designed a website that monitors laundry usage across Northeastern's on-campus housing
- Gathered data from **Laundry View** through web scraping to deliver accurate information to students

Under the Sea Productivity Extension | JavaScript, HTML, CSS, React.js *February 2024*

- Produced a Chrome extension at HackBeanpot that sets limits on specific websites to boost productivity
- Implemented a water animation with **React.js** that rises based on time spent on certain websites