

# Gillian Palmer

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## Education

**Northeastern University**, Boston, MA

Sept 2023 - May 2027

*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, Tailwind CSS, Node.js, Drizzle ORM, tRPC, Google OAuth, TipTap

**Tools:** Git, Docker, Terraform, GitHub Actions, Jest, PostgreSQL, PostHog, Strapi

**Cloud:** AWS (Certified Cloud Practitioner) – ECS, RDS, EC2, Lambda, ECR, S3, Textract, Bedrock

## Experience

**Software Engineer Intern**

Jun 2025 - Present

*Travelers Insurance*

- Automated the process of parsing **2000+** lines of financial data with **Amazon Textract**, reducing the time required by **40 hours**
- Implemented a **React** frontend that allows users to upload financial information in PDF form and answers user queries about the parsed data using **Amazon Bedrock**
- Optimized two **Lambda** functions to run the Textract process every time a new PDF is uploaded

**Technical Lead & Head of Community**

Jan 2025 - Present

*Sandbox Software Consultancy*

- Lead a team of seven developers and two designers to create a resource enabling **10,000+** Northeastern students to share details of their co-op experiences, utilizing the **T3 tech stack**
- 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

**Software Development Co-op**

Jan 2025 - May 2025

*Khoury College of Computer Sciences*

- Developed a responsive user interface for Odyssey, an interactive learning platform, using **Next.js** and **Tailwind CSS**, maintaining consistent sitewide styling through reusable components
- Architected backend infrastructure to manage data for **2000+** users with **Strapi CMS** and **PostgreSQL**
- Launched **9 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**

**Teaching Assistant**

Aug 2024 - Dec 2024

*Khoury College of Computer Sciences*

- 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*

Sep 2024 - Present

- Implemented frontend and backend filtering with **fuzzy searching** to enhance the companies page, and collaborated with two designers to match the **Next.js** frontend with modern **Figma** designs
- Added 3 **tRPC**-based API endpoints, ensuring type safety and optimizing data fetching

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

Jun 2024

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