

Emma Pham

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EDUCATION

University of Houston

Expected Graduation: May 2026

Bachelor of Science in **Computer Science**, Minor in **Mathematics**

GPA: 3.9

Relevant Coursework: Data Structures and Algorithms, Data Science and Machine Learning, Database Systems

Awards & Honors: Academic Excellence Scholar Recipient, Dean's Distinguished Scholars List

TECHNICAL SKILLS

Languages: C++, Python, R, Java, JavaScript, SQL, HTML/CSS, TypeScript

Frameworks & Libraries: React.js, Node.js, Express.js, Material-UI

Developer Tools: VS Code, GitHub, Git, RStudio, PyCharm, TailwindCSS, MySQL Figma, Mural

EXPERIENCE

IBM

June 2024 – July 2024

Software Development Track Accelerate Program Participant

Houston, TX

- Selected among top 5% of applicants, chosen as one of 175 participants out of 10,000+ applicants for IBM's 8-week intensive summer program focused on high-potential undergraduate students
- Advanced programming skills in the Software Development Track, with a focus on React.js, and mastered collaborative coding environments
- Gained hands-on experience with **front-end and back-end** technologies, **generative AI**, cloud-native development, REST APIs, **web app security**, event handling, and UI/UX design

PROJECTS

Personal Portfolio | **HTML/CSS, Tailwind CSS, JavaScript, GitHub**

September 2024

- Created a custom-built, responsive website to showcase a diverse range of projects and professional experience, leveraging modern web technologies for an optimal user experience.

To-do List Application | **HTML/CSS, JavaScript, React.js, Node.js, Express.js, Material-UI**

June 2024 – July 2024

- Developed a dynamic To-Do List application using React and Material UI, improving task management and productivity by up to 50% with features like timestamped tasks, completion tracking, and duplicate entry prevention.

Coogify | **React.js, Node.js, TailwindCSS, TypeScript, MySQL, Figma, UI/UX**

January 2024 - April 2024

- Orchestrated the development of an innovative **full-stack web application** alongside a team of 4, transforming music streaming; boosted average user session length by 50% and reduced app crashes by 35%
- Engineered a seamless integration of **frontend and backend** functionalities from scratch, delivering a tailor-made platform that redefines user engagement

LEADERSHIP & ACTIVITIES

Computer Science Girls | **University of Houston** | Houston, TX

Secretary

May 2024 – Present

- Host online hackathons every 2 weeks for UH students to hone their coding skills via the Kattis platform, increasing engagement by 40%
- Create and publish monthly newsletters for 30+ members of the organization

Professional Development Committee

July 2023 – May 2024

- Increased productivity by **27%** by playing a key role in planning and executing events, workshops, and social activities as part of the officer team
- Coordinated with a **team of 4 members** to create PowerPoint presentations for soft skill workshops, resulting in an attendance of **over 61 students** and a **33% improvement** in their performance

CERTIFICATIONS

IBM Accelerate - Software Developer, IBM

Artificial Intelligence Fundamentals, IBM

Cybersecurity Fundamentals, IBM