

Juliet Lam

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EDUCATION

Rochester Institute of Technology

May 2025

B.S. Software Engineering, Minor in Web Development

GPA: 3.8/4.0

Honors: RIT Presidential Scholar, RIT National Recognition Award, Dean's List 2021-2025, WICHack 2025 Winner

Relevant Courses: Database and Data Modeling, Web Engineering, Web and Mobile, Engineering Secure Software, Software Design for Computing Systems, Computer Graphics, Networking, Introduction to AI

EXPERIENCE

Backend Blockchain Developer

Jul 2025 - present

Yale University

New Haven, CT

- Developed and deployed a Solidity smart contract on Ethereum to store and track study logs, ensuring immutable and transparent record-keeping
- Designed and implemented a Spring Boot REST API to enable researchers to add and query study logs, utilizing Web3j to integrate with the blockchain running on a Geth node

Web Developer

Jun 2024 – Aug 2024

Rochester Institute of Technology

Rochester, NY

- Designed and implemented a Gantt chart feature for university React website to assist students and faculty in viewing their tasks in a chronological view

Software Engineering Intern

May 2023 – Dec 2023

L3Harris Technologies

Rochester, NY

- Ported and deployed a non-networked desktop application to a full-stack Flask web application to allow multiple users to connect to a sqlite3 database
- Automated the software packaging process for product releases using a Makefile script, reducing manual workload from over an hour to a few minutes
- Developed a tool to systematically capture relevant client-side information to aid remote troubleshooting
- Contributed to product's web interface

Course Assistant for Various Software Classes

Aug 2022 – Dec 2024

Rochester Institute of Technology

Rochester, NY

- Assisted students and answered questions in-class, graded and provided personalized feedback to students
- Courses include Software Development and Problem Solving 2 (Java), Introduction to Software Development (Java, JavaScript, Angular, SDLC and software processes and methodologies), and Code Zero (Javascript)

PROJECTS

Parallax Wallpaper in Android, personal project

2025

- Created kotlin app in Android Studio to upload images for a parallax effect for mobile wallpaper

Publication Search Tool, personal project

2025

- Built a full-stack publication search tool with React and Flask that connects to the NCBI E-Utilities API
- Displays research publication data in a paginated table, with options to view details

Finger Guns, hackathon project

WiCHacks 2025

- Created an asteroid-destroyer motion-tracking game utilizing MediaPipe and OpenCV for facial and hand tracking
- Winner of Reality Meets Digital category on a 2-person team

Snake Game, personal project

2025

- Created and self-hosted a multiplayer snake game for a psychology study task using Vue.js, Node.js and Socket.io

ApolloLink, hackathon project

HackHarvard 2023

- Made a web application to aid in early detection of diseases using bioinformatics gathered by wearable technology by using openAI to monitor their symptoms and contact their primary care provider if necessary
- Used Terra API to access bioinformatics data on a 4-person team

SKILLS

Programming Languages: Typescript, Javascript, Python, Kotlin, Java, C++, HTML, CSS, PostgreSQL, PHP, Makefile, SQL

Technologies: Git, SVN, GDB, REST API, AWS, Angular, React, Spring Boot, ArcGIS, Flask, Node.js, Vue.js, Linux