

Tess Hacker

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OBJECTIVE

Seeking a software engineering co-op using strong programming skills in Python, Java, C, C++, SQL, or HTML and CSS
Available May – December 2024

EDUCATION

Rochester Institute of Technology, Rochester, NY

Bachelor of Science, Software Engineering

Expected May 2027

GPA: 3.7/4.0 Dean's List: Fall 2022, Spring 2023

Related Courses: Software Development I & II, Discrete Math, Calculus I & II, Software Engineering I & II, Engineering of Web Based Software Systems, Intro to Software Engineering

SKILLS

Programming Languages: Java, Python, C, SQL, HTML, JavaScript, CSS

Other Tools: VSCode, GitHub, GitLab, Vim, Bash, PostgreSQL, Trello

PROJECTS

AI Workout Generator, *Personal Project*

September 2023 – Present

- Develop web-based workout generator using HTML, CSS, and JavaScript
- Employ OpenAI API for advanced language processing to create workout plans based on user preferences and fitness goals

Society of Software Engineers Website, *Tech Committee, Society of Software Engineers, RIT*

September 2023 – Present

- Work in team of 12 to redesign front-end of Society of Software Engineers website to enhance functionality, organization, and user experience
- Modernize “about/committees” page using Next.js and Tailwind frameworks
- Use scrum practices including backlogs, sprint reviews, and stand-ups to ensure efficient product management

Chat System, *Engineering of Web Based Software Systems, RIT*

September 2023 – Present

- Develop in SQL and Python to design chat system like Slack, Discord, Teams
- Implemented CRUD functionality using Python Flask API
- Use agile development practices including sprints, entity relationship diagrams, and unit testing

Show To Tell, *WiCHacks Hackathon Project, RIT*

March 2023

- Built an application that helps people with aphasia communicate with their caregivers through photos with a simple and intuitive user interface
- Used JavaFX for GUI and built node-based n-ary linked tree in Java to allow for customization and continuous additions of categories and subcategories of photos
- Won “Simone Center: Most Viable Commercial or Social Hack” award at WicHacks 2023

JOB AND LEADERSHIP EXPERIENCE

Head of Talks, *Society of Software Engineers Organization, RIT*

September 2023 – Present

- Manage talks and presentations about software-related topics
- Collaborate with marketing to inform people of upcoming events

Mentor, *Society of Software Engineers Organization, RIT*

August 2023 – Present

- Mentor students about coding homework and course topics
- Collaborate with other mentors to lead review sessions for students' exams
- Manage lab and occupants during shift to ensure safe, clean, and welcoming environment

Course Assistant, *Software Development & Problem Solving I, RIT*

August 2023 – Present

- Assist class of 30 students with coding activities
- Provide guidance to students about effective coding practices and techniques
- Formulate personal schedule to ensure timely completion of grading assignments

Team Lead, *Boloco, Hanover, NH*

January 2021 – August 2022

- Delegate tasks and set deadlines
- Monitor team performance and report on metrics
- Listen to team members' feedback and resolve any issues or conflicts