

Skylar Rearick

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EDUCATION

University of Pennsylvania | Bachelor of Applied Science in Computer and Information Science **Expected May 2025**

- **Minors:** Data Science, East Asian Languages and Civilizations - Korean Studies Concentration

TECHNICAL SKILLS

Programming Languages: Java, Python, C, OCaml, JavaScript, TypeScript, HTML/CSS

Tools/Frameworks: React.js, Git/GitHub, Docker, Node.js, PostgreSQL, JUnit, Mockito, Cypress, Agile/Scrum

PROFESSIONAL EXPERIENCE

TechStart Intern

June 2024 - Aug. 2024

Liberty Mutual | Seattle, WA

- Assisted in the state roll-out of Oasis 2.0, a new homeowner's insurance rating product, and modernized Simple Renters, a renter's insurance rating product.
- Enhanced user experience for customers and agents by integrating updates in accordance with new insurance regulations.
- Leveraged **Java** for core development, with contributions in **JavaScript** and **TypeScript** for platform updates.
- Followed **Agile practices**, participating in sprints and cross-functional team meetings to drive timely project delivery.

TechStart Intern

June 2023 - Sep. 2023

Liberty Mutual | Portsmouth, NH

- Contributed to the development of the Payment Approval Workflow System (PAWS), a vendor payment application processing over **\$1 million annually**.
- Utilized **JavaScript** and **React.js** for front-end modernization and **Python** for software maintenance of Global Treasury Disbursement products.
- Collaborated with a cross-functional team of 7, including Scrum Master, Product Owner, and developers, adhering to **Agile methodology**.

Undergraduate Research Assistant

May 2022 - May 2023

Computational Social Science Lab | University of Pennsylvania | Philadelphia, PA

- Advanced the Group Deliberation research project with a focus on front-end and operational development.
- Developed and maintained responsive interfaces using **HTML/CSS**, **JavaScript**, and **React.js**.
- Implemented test-driven development and automated testing workflows with **Cypress** and **GitHub Actions**.
- Coordinated and prepared **weekly to biweekly** high-throughput experiments utilizing AWS MTurk participants.

PROJECTS

Dougman

July 2024

Team Project | Liberty Mutual TechStart Intern Hackathon

- Implemented an internal web app alternative to Postman, using **React.js** and **JavaScript** to enhance security protocols and reduce licensing costs by **\$1 million annually**.
- Awarded the **People's Choice Award**, selected by Liberty Mutual employees from 30 project submissions.
- Led front-end development, focusing on creating a secure and intuitive interface that aligned with company standards.

InsureMe

July 2023

Team Project | Liberty Mutual TechStart Intern Hackathon

- Developed a web app using **React.js**, **TypeScript**, **Python**, and **Flask** to educate users about insurance while generating personalized quotes.
- Secured **2nd place** out of 30 project submissions, judged on code quality, creativity, business value, and presentation.
- Collaborated with a team to create a user-friendly experience, demonstrating high potential for business impact.

HONORS & ACTIVITIES

Clark Scholar

Aug. 2020 - Present

Awarded to 10 incoming students for exceptional leadership potential and dedication to civic engagement in engineering. Provides scholarship support and mentoring throughout undergraduate studies, fostering leadership development and community involvement.