

# Samiul Hoque

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## EDUCATION

**Carnegie Mellon University**  
**Bachelor of Science in Information Systems | GPA: 3.42/4.0**  
**Minor in Computer Science**

**Pittsburgh, PA**  
**May 2024**

## SKILLS

C, TypeScript, React, Swift, SwiftUI, GitLab, HP Agile Manager

## EXPERIENCE

### Erie Insurance

**Erie, PA**

#### *Software Engineering Intern*

**May 2022 - Aug 2022**

- Built an automation tool with TypeScript and React for parsing and reformatting 600,000+ logs from a legacy system to Erie's new system
- Built a dashboard for agents to securely log client insurance packages, insured properties, and risk via an intuitive and modern design using Mendix rapid development and version control
- Communicated during stand-up meetings to synchronize project progress with development team during sprints and in code reviews to ensure project code followed design patterns and was up to company standards

### Robotics Institute

**Pittsburgh, PA**

#### *Research Assistant*

**May 2021 - Present**

- Programmed an iOS app to help users navigate to a destination by generating a route based on a particular disability, such as blindness or mobility impairments
- Discussed how routes should be generated with two city transportation experts and one Apple consultant in order to identify app feasibility and required API's

### Blockchain For Schools

**New York, NY**

#### *Marketing Leader*

**Nov 2019 - Mar 2020**

- Coordinated outreach events with 30 New York school classrooms and clubs, reaching 500+ students and teachers
- Designed marketing campaigns such as a campus ambassador program and manual in order to standardize the team's approach to outreach

### Lincoln Laboratory

**Boston, MA**

#### *Engineering Intern*

**Jun 2019 - Aug 2019**

- Co-designed with disabled persons to iteratively build a product using low fidelity prototypes and client feedback over three months until a product meeting all client specifications was reached
- Published a research poster including prototyping documentation and SWOT analysis, and presented the poster to 100+ professors and students

## ADDITIONAL EXPERIENCE

### Carnegie Mellon University

**Pittsburgh, PA**

#### *Residential Manager*

**Jan 2021 - Present**

- Coordinated community events such as barbecues, game tournaments, and movie nights, bringing together 50+ person groups in a fun social setting

### Personal Work

**Pittsburgh, PA**

#### *App Developer*

**May 2020 - Present**

- Developed an Apple Maps clone with SwiftUI featuring user location tracking, natural language conversion to search suggestions, and route generation
- Developed a "to-do" app for iPhone with SwiftUI featuring a simple, modern user interface and user data storage including saved "to-do" items and settings preferences

### South Bronx United

**New York, NY**

#### *Volunteer Tutor*

**Sep 2018 - Sep 2020**

- Taught algebra, geometry, chemistry, and physics to lower-income students in the South Bronx
- Assessed best instructing practices and methods to create positive relationships with students