

Kate Huang

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SKILLS & ABILITIES

Languages: Java, Python, C, JavaScript, HTML/CSS

Frameworks: React, Flask, Mockito, JUnit, Figma

Developer Tools: Linux, Github, Git, Postman, Firebase, Android Studio, REST

EDUCATION

University of Toronto

Toronto, Ontario, Canada

Honours Bachelor of Science in Computer Science Co-op, Minor in Economics

Sep. 2022 – Present

Relevant Courses:

Software Tools and Systems Programming , Algorithm design and analysis, Design and Analysis of Data Structures, Introduction to Numerical Algorithms for Computational Mathematics

EXPERIENCE

Sponsorship Coordinator, Technical Judge

Mar. 2024 – Oct. 2024

Hack the Valley

Toronto, Ontario, Canada

- Secured sponsorships by establishing strong connections with companies
- Evaluated 30 technical projects across web/mobile development, AI/ML, and cybersecurity tracks
- Collaborated with 23 judges to develop and apply consistent evaluation criteria for project assessment

Intern, IT Infrastructure

June. 2024 – Aug. 2024

Lotus Pharmaceutical Co Ltd.

Taipei, Taiwan

- Engineered an automated cybersecurity analysis tool that reduced incident investigation time by 84%
- Designed and executed company-wide phishing simulation programs, resulting in a 70% improvement in awareness
- Integrated Azure AD, and Microsoft Defender to create a comprehensive security monitoring system, enabling real-time threat detection and response

Crisis Analyst

Oct. 2023 – Feb. 2024

North American Model United Nations

Toronto, Ontario, Canada

- Facilitated cybersecurity requests, and efficiently categorized responses to support crisis management efforts
- Managed real-time crisis scenarios for delegates, maintaining 95% participant engagement rate
- Created and executed 6 complex crisis scenarios, receiving 10 positive feedback from committee chairs

PROJECTS

IP, Domain & URL Analysis Tool | *JavaScript, Flask, Python, REST API, HTML/CSS*

July. 2024

- *A tool displaying all information you need to investigate a cybersecurity incident*

- Architected and deployed a full-stack cybersecurity investigation tool integrating 5 external APIs
- Implemented RESTful API architecture in Python Flask, achieving 2ms average response time
- Designed an intuitive UI using HTML/CSS/JS, resulting in 70% user satisfaction rate

School Project | *Java, Figma, Android Studio, Firebase, Mockito, JUnit, scrum*

Nov. 2023

- *An app that facilitates CMS departmental communication on events and announcements*

- Implemented real-time data synchronization using Firebase
- Achieved 80% test coverage through comprehensive JUnit and Espresso testing suites
- Managed project using Agile/Scrum methodology, completing delivery 1 week ahead of schedule

Eventful | *JavaScript/TypeScript, React Native, HTML/CSS, Github*

Oct. 2023

- *An app that simplifies your event planning process*

- Developed a React Native mobile application with JavaScript
- Implemented responsive UI components using React Native Paper
- Collaborated with 4 team members using Git workflow, maintaining 87% code review approval rate