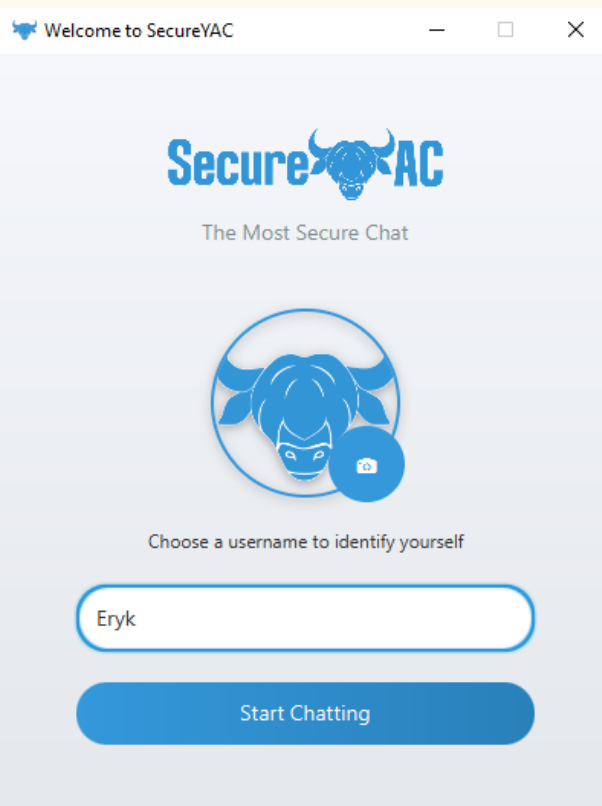


SecureYAC

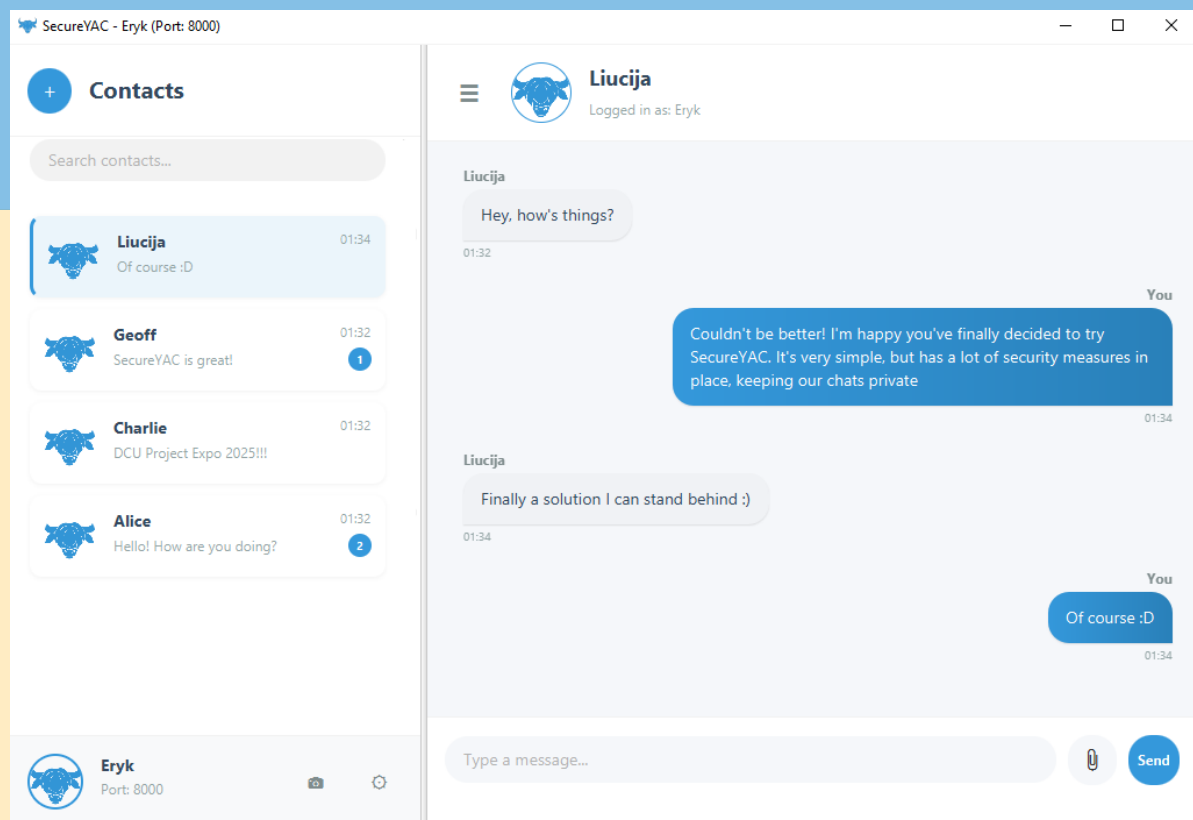
Your Chats - Your Rules

SecureYAC is a privacy-first messaging application designed for users who value security and simplicity. With modern encryption and a sleek, minimalistic interface, SecureYAC guarantees your conversations stay truly private - without compromise.



Key features:

- **End-to-End Encryption** using Signal's X3DH and Double Ratchet Protocols.
- **Peer-to-Peer Network Protocol** for direct, serverless communication.
- **Key Bundle Exchange** to prevent unwanted or unsolicited messages.
- **Minimalistic UI** that guarantees easy and smooth user experience.



Developed Using:



Bouncy Castle
with Keyfactor



Java™



Signal



JUnit



Gradle

Students:

Eryk Zygmunt Styczynski
Liucija Paulina Adomaviciute

Supervisor: Dr. Geoff Hamilton

Course: Computer Science

DCU

Ollscoil Chathair
Bhaile Átha Cliath
Dublin City University

School of Computing