Chun Ngai Li, Alex

M.Sc. Cybersecurity | Software Engineer | Cybersecurity Analyst |

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GitHub: github.com/GreenMeeple | **Blog**: greenmeeple.github.io | **LinkedIn**: linkedin.com/in/alexcnli/

Education

- **M.Sc. Cybersecurity** (Oct 2021 – Jun 2025)

  Saarland University, *Saarbrücken, Germany*

  - Thesis: 'Exploring the Cybersecurity Threats in LLM-Powered Apps: Malicious Code Generation & Regulatory Challenges'

- **B.Eng. Information Engineering** (Sep 2017 – May 2021)

  The Chinese University of Hong Kong, *Hong Kong*

  - GPA: 3.28/4 (1.54 in German Scaling)

  - Exchanged at KTH Royal Institute of Technology in 2019-2020. Studied courses: Cryptography, Mobile App Design

Experience

- **IT Research Assistant** (Mar 2022 – Mar 2023)

  Universität des Saarlandes, Saarbrücken, *Saarbrücken, Germany*

  - Led the modernization of internal systems by upgrading the university intranet from PHP5 to PHP7

  - Rebuilt and integrated academic services (book reservations, meeting scheduling, PDF generation)

  - Engineered backend system using PHP and SQL for database performance improvements

  - Redesigned frontend and optimized Monte Carlo simulations in Excel using VBA

- **Software Engineer** (Mar 2021 – May 2021)

  AI for the Future Project – Hong Kong Jockey Club (with CUHK), *Hong Kong*

  - Developed a mobile app using React Native and Python to control 3D-printing robots via Bluetooth

  - Created documentation and user guides for deployment and training

  - Solutions targeted toward AI/STEM education for secondary schools

- **Undergraduate Researcher** (Nov 2020 – Feb 2021)

  Department of Information Engineering – The Chinese University of Hong Kong, *Hong Kong*

  - Contributed to research project 'Morpheus: Bringing the (pkcs) one to meet the oracle' under Dr. Sherman S. M. Chow

  - Built black-box fuzzing tools in C++, Python, Java, and C# for RSA/PKCS#1 vulnerability analysis

  - Supported cryptographic flaw discovery for academic publication

Technical Skills

- **Languages**: Python, C, C++, C#, JavaScript, PHP, HTML, CSS

- **Frameworks/Tools**: React Native, SQL, VBA, Git

- **Expertise**: Web Development, Mobile Apps, Cryptographic Security, Black-box Testing

- **OS**: Linux, Windows

Projects & Portfolio

- **MensaarLecker** – Python scraper + static website for the Uni Mensa, fully automated by Selenium & GitHub actions

- **udsfahrplan** – Telegram bot for Saarland University transit

- **hafas-bitmask-calculator** – Web tool for HAFAS API bitmask decoding/encoding

- **hexo-zhruby** – Hexo tag plugin in Node.js

- **Azul-Test** – C++ implementation of Azul board game logic

Languages

- English – Native

- German – Intermediate (B1 CEFR)

- Cantonese – Native

- Mandarin – Native